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1 Introduction

Introduction to PJL

The Hewlett-Packard Printer Job Language (PJL) was developed to provide more job-level printer control within software programs. PJL provides for the special needs of networks and other multi-user systems.It also simulates control-panel functions that previously could only be controlled by pressing control-panel buttons.

In the HP printers that support it (HP LaserJet, HP Deskjet, HP Business Inkjet, and HP Designjet), PJL provides job-level control that cannot be accomplished with PCL, PostScript® (PS), or other printer languages. To establish this control, PJL functions “above” the level of PCL and other printer languages, and provides four major functions:

- printer-language switching between jobs
- job separation
- printer configuration
- status readback from the printer to the host computer

Hewlett-Packard developed PJL to provide a method for switching printer languages at the job level, and to offer status readback between the printer and the host computer. Software programs can use PJL to control HP printers remotely.

By using PJL, software developers can build software that can programmatically switch printer languages, monitor printer status, request the printer model and configuration, change control-panel default settings, modify control-panel messages, and more.

Using the PJL reference books

The *Printer Job Language Technical Reference Addendum* was written to complement the contents of the *Printer Job Language Technical Reference Manual.*

- For general information about PJL, see the *Printer Job Language Technical Reference Manual.*
- For product-specific information about PJL as it applies to newer printers, see the *Printer Job Language Technical Reference Addendum.*

These manuals are for experienced users such as software developers and technical support personnel. Before using PJL commands, developers should be familiar with the introductory information in chapters 1, 2, and 3 and with the programming tips in chapter 11 of the *PJL Technical Reference Manual*. In addition, users should be acquainted with the HP LaserJet Printer Command Language (PCL) and with HP LaserJet printer features.

Application developers

The *Printer Job Language Technical Reference Manual* and *Printer Job Language Technical Reference Addendum* provide developers with all of the information that is required to add PJL to software programs. Examples that are used throughout the manual help developers write efficient and correctly functioning code.

Technical support personnel

The *Printer Job Language Technical Reference Manual* and *Printer Job Language Technical Reference Addendum* provide reference information for network administrators and other technical support personnel who manage multi-user systems. The use of PJL can significantly enhance network printer operation.

Non-technical users

Non-technical users can use the features of PJL by using software that supports PJL. Because improperly used PJL commands can cause problems in a network situation, inexperienced users are advised against using PJL commands on any system other than a dedicated workstation.

Related documents

The following documents provide related information about Hewlett-Packard products that support PJL and PCL.

PCL 5 Printer Language Technical Reference Manual

The *PCL 5 Printer Language Technical Reference Manual* provides a description of the printer command language that controls PCL 5 products. The document provides explanations of each PCL command, and examples that demonstrate how the commands are used to control the product. A large portion of the document is devoted to HP-GL/2, the vector-based graphics language that is part of all PCL 5 printers.

PCL 5 Comparison Guide

This document provides printer-specific information about paper handling, internal fonts, PCL command support, and control-panel information. It identifies differences between features that are available in the PCL 5 products, and explain how the products implement the commands that are described in the *PCL 5 Printer Language Technical Reference Manual.*

PCL 5 Comparison Guide Addendum

This document complements the *PCL 5 Comparison Guide* by providing updated product-specific information. This document should be used along with the *PCL 5 Comparison Guide*.

PCL 5 Color Technical Reference Manual

This document describes the PCL 5 commands that are used to print color on the HP color LaserJet products and the other Hewlett-Packard PCL 5 color products. Some of the main topics include an overview of the color printing process, using palettes, choosing color modes, adjusting output color to meet your requirements, printing color raster graphics, and using HP-GL/2 vector graphics. Examples are provided that demonstrate the use of the PCL 5 color commands.

PCL/PJL Technical Quick Reference Guide

This document is designed to provide quick access to the syntax of each PCL and PJL command. The commands are grouped by their function so that users who are familiar with PCL or PJL can find the syntax of a specific command without opening the manuals.

2 Job Finishing

Introduction

Some printers, such as the HP LaserJet 9000 series, include accessories that enhance the output or finishing capabilities of the product (for example, stapling and stacking capabilities). These accessories can be controlled by using PJL commands as described in this chapter.

Job finishing for HP LaserJet 9000 series products

The PJL commands that are sent to the product specify the functionality of a particular paper-handling device. These commands can be sent to the printer as a job-by-job command or as a default command. The following PJL commands are used to set the functionality of the 3,000-sheet stacker/stapler (product number C8085A) or the 3,000-sheet stacker (product number C8084A) on a job-by-job basis.

PJL commands for the 3,000-sheet stacker/stapler

Use the following command sequences for the HP LaserJet 9000 series products with the 3,000-sheet stacker/stapler accessory (product number C8085A) installed.

General considerations for the PJL commands for the 3,000-sheet stacker/stapler

The following are general considerations when using the command sequences in this section.

- If the PJL FINISH variable is set to STAPLE and the OUTBIN variable is set to UPPER value, the job is delivered to the ‘Printer top Bin’ without stapling.
- If the PJL FINISH variable is set to STAPLE and the OUTBIN variable is set to any other value different than UPPER, (i.e. OPTIONALOUTBIN3 or OPTIONALOUTBINx) the job is delivered to the ‘Stapler Bin’ with the number of staples set in the STAPLEOPTION variable.
- If the PJL FINISH variable is set to STAPLE and no STAPLEOPTION value is set, the job is delivered to the ‘Stapler Bin’ using the default STAPLEOPTION value.
- The default STAPLEOPTION could be defined through the ‘Printer Front Panel’ or using the HP Jetadmin /HP Web Jetadmin software tools.

To set the destination to the stacker bin

Use the following command sequence to send the job to the stacker bin.

```
ESC%-12345X
@PJL SET OUTBIN=OPTIONALOUTBIN2
@PJL SET FINISH=NONE
ESC%-12345X
```

To set the destination to the top output bin of the printer

Use the following command sequence to send the job to the top output bin of the printer.

```
ESC%-12345X
@PJL SET OUTBIN=UPPER
@PJL SET FINISH=NONE
ESC%-12345X
```

To finish the job with one staple (straight)

Use the following command sequence to finish the job with one staple, aligned with the edge of the media.

```
ESC%-12345X
@PJL SET OUTBIN=OPTIONALOUTBIN2
@PJL SET FINISH=STAPLE
@PJL SET STAPLEOPTION=ONE
ESC%-12345X
```

To finish the job with one staple (angled)

Use the following command sequence to finish the job with one staple that is angled.

```
ESC%-12345X
@PJL SET OUTBIN=OPTIONALOUTBIN2
@PJL SET FINISH=STAPLE
@PJL SET STAPLEOPTION=ONEANGLED
ESC%-12345X
```

To finish the job with two staples

Use the following command sequence to finish the job with two staples.

```
ESC%-12345X
@PJL SET OUTBIN=OPTIONALOUTBIN2
@PJL SET FINISH=STAPLE
@PJL SET STAPLEOPTION=TWO
ESC%-12345X
```

To finish the job with three staples

Use the following command sequence to finish the job with three staples.

```
ESC%-12345X
@PJL SET OUTBIN=OPTIONALOUTBIN2
@PJL SET FINISH=STAPLE
@PJL SET STAPLEOPTION=THREE
ESC%-12345X
```

To finish the job with six staples

Use the following command sequence to finish the job with six staples.

```
ESC%-12345X
@PJL SET OUTBIN=OPTIONALOUTBIN2
@PJL SET FINISH=STAPLE
@PJL SET STAPLEOPTION=SIX
ESC%-12345X
```

To use the custom stapling option

Use the following command sequence to turn on the custom stapling option.

```
ESC%-12345X
@PJL SET OUTBIN=OPTIONALOUTBIN2
@PJL SET FINISH=STAPLE
@PJL SET STAPLEOPTION=CUSTOM
ESC%-12345X
```

Note The custom stapling option must be configured with the HP Jetadmin or HP Web Jetadmin tools. After this option is set, use the preceding command sequence to use it.

To set the destination to the left bin (face-up bin)

Use the following command sequence to send the job to the left bin with the media face-up.

```
ESC%-12345X
@PJL SET OUTBIN=LOWER
@PJL SET FINISH=NONE
ESC%-12345X
```

To set the destination to the stapler output bin (without staples)

Use the following command sequence to send the job to the stapler output bin with no staples.

```
ESC%-12345X
@PJL SET FINISH=STAPLE
@PJL SET STAPLEOPTION=NONE
@PJL SET OUTBIN=OPTIONALOUTBIN2
ESC%-12345X
```

PJL commands for the 3,000-sheet stacker

Use the following command sequences for the HP LaserJet 9000 series products with the 3,000-sheet stacker accessory (product number C8084A) installed.

To set the destination to the stacker bin

Use the following command sequence to send the job to the stacker.

```
ESC%-12345X
@PJL SET OUTBIN=OPTIONALOUTBIN2
@PJL SET FINISH=NONE
ESC%-12345X
```

To set the destination to the top output bin of the printer

Use the following command sequence to send the job to the top output bin of the printer.

```
ESC%-12345X
@PJL SET OUTBIN=UPPER
@PJL SET FINISH=NONE
ESC%-12345X
```

To set the destination to the face-up bin

Use the following command sequence to send the job to the face-up bin.

```
ESC%-12345X
@PJL SET OUTBIN=OPTIONALOUTBIN1
@PJL SET FINISH=NONE
ESC%-12345X
```

Note The default destination is used whenever the PJL OUTBIN variable is not set.

To set the default output bin, use the control panel on the front of the product, or use HP Web Jetadmin.

Job Finishing for HP LaserJet 9000mfp series products

The PJL commands that are sent to the product specify functionality of a particular paper-handling device. These commands can be sent to the printer only on a job-by-job basis. The following PJL commands are used to set the functionality of the HP multifunction finisher (product number C8088A) on a job-by-job basis.

PJL commands for the HP multifunction finisher

The following command sequences can be used for the HP LaserJet 9000mfp series products that have the HP multifunction finisher accessory (product number C8088A) installed.

To set the destination to the stacker bin (face-up bin)

```
@PJL SET OUTBIN=OPTIONALOUTBIN1
@PJL SET PROCESSINGTYPE="FACE_UP"
@PJL SET PROCESSINGOPTION="FACE_UP"
```

Note This command sequence does not work when combined with a stapling command, because stapled jobs can only be delivered face-down.

To set the destination to the stacker bin (face-down)

```
@PJL SET OUTBIN=OPTIONALOUTBIN1
@PJL SET PROCESSINGTYPE="FACE_DOWN"
@PJL SET PROCESSINGOPTION="FACE_DOWN"
```

Note This command sequence is unnecessary when combined with a stapling command, because stapled jobs are always delivered face-down.

To finish the job with one staple

```
@PJL SET OUTBIN=OPTIONALOUTBIN1
@PJL SET PROCESSINGTYPE="STAPLING"
@PJL SET PROCESSINGOPTION="ONE_STAPLE"
@PJL SET PAPER=LETTER
```

Note The PJL SET PAPER value will vary, depending on the size that you are using.

To finish the job with two staples

```
@PJL SET OUTBIN=OPTIONALOUTBIN1
@PJL SET PROCESSINGTYPE="STAPLING"
@PJL SET PROCESSINGOPTION="TWO_STAPLES"
@PJL SET PAPER=LETTER
```

Note The PJL SET PAPER value will vary, depending on the size that you are using.

To finish the job with a fold and saddle stitch

```
@PJL SET DUPLEX=OFF
@PJL SET OUTBIN=OPTIONALOUTBIN2
ESC&L2A
```

Note

ESC&L2A is the PCL command for letter-sized paper; it must be used to print correctly on LTR-R oriented media.

The PJL SET PAPER value will vary, depending on the size that you are using.

To finish a duplexed job with a fold and saddle stitch

```
@PJL SET DUPLEX=ON
@PJL SET BINDING=LONGEDGE
@PJL SET OUTBIN=OPTIONALOUTBIN2
ESC&L2A
```

Note

ESC&L2A is the PCL command for letter-sized paper; it must be used to print correctly on LTR-R oriented media.

The PJL SET PAPER value will vary, depending on the size that you are using. You can replace the letter value with any of the other supported values:
Legal = ESC&L3A
Ledger = ESC&L6A
JISB4 = ESC&L46A
A4 = ESC&L26A
A3 = ESC&L27A

3 Product-specific features

Introduction

This chapter compares the differences in PJL support for newer PJL products. It includes a list of all the PJL commands, showing which commands each PJL product supports. A list of environment variables shows the range that each product supports. The final portion of the chapter describes some important, product-specific information about the different HP products.

PJL feature support

Table 1 describes the contents of the subsequent feature-support tables for HP LaserJet and HP color LaserJet products.

Table 1. Contents of PJL feature-support tables

Table and location	Features for these products
Table 2 on page 18	HP LaserJet 1150 series, 1200 series, 1300 series, 2200 series, 2300 series
Table 3 on page 19	HP LaserJet 4100 series, 4100mfp series, 4200 series, 4300 series
Table 4 on page 20	HP LaserJet 5100 series, 8150 series, 9000 series, 9000mfp series
Table 5 on page 21	HP LaserJet 3200mfp series, 3300mfp series
Table 6 on page 22	HP color LaserJet 2500 series, 4550 series, 4600 series
Table 7 on page 23	HP color LaserJet 5500 series, 8550 series, 8550mfp series

The following tables list the PJL commands and associated variables that each product supports. The letter “Y” indicates that the feature is supported; “ns” indicates that the feature is not supported.

Note The information contained in the following tables is subject to change without notice. To ensure that the specific support information is correct, test the commands on your product.

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Table 2. PJL feature support for HP LaserJet products

PJL command name	LaserJet 1150 series	LaserJet 1200 series	LaserJet 1300 series	LaserJet 2200 series	LaserJet 2300 series
COMMENT	Y	Y	Y	Y	Y
DEFAULT	Y	Y	Y	Y	Y
DINQUIRE	Y	Y	Y	Y	Y
ECHO	Y	Y	Y	Y	Y
ENTER	Y	Y	Y	Y	Y
EOJ	Y	Y	Y	Y	Y
FSAPPEND, FSDIRLIST, FSQUERY, FSUPLOAD	ns	ns	ns	ns	Y
FSDELETE	ns	ns	ns	ns	Y
FSDOWNLOAD	ns	ns	ns	ns	Y
FSINIT	ns	ns	ns	ns	Y
FSMKDIR	ns	ns	ns	ns	Y
INFO	Y	Y	Y	Y	Y
INITIALIZE	Y	Y	Y	Y	Y
INQUIRE	Y	Y	Y	Y	Y
JOB	Y	Y	Y	Y	Y
OPMSG	Y	Y	Y	Y	Y
PJL	Y	Y	Y	Y	Y
RDYMSG	Y	Y	Y	Y	Y
RESET	Y	Y	Y	Y	Y
SET	Y	Y	Y	Y	Y
STMSG	Y	Y	Y	Y	Y
UEL	Y	Y	Y	Y	Y
USTATUS	Y	Y	Y	Y	Y
USTATUSOFF	Y	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these functions and commands on your product.					

Table 3. PJL feature support for HP LaserJet products

PJL command name	LaserJet 4100 series	LaserJet 4100mfp series	LaserJet 4200 series	LaserJet 4300 series
COMMENT	Y	Y	Y	Y
DEFAULT	Y	Y	Y	Y
DINQUIRE	Y	Y	Y	Y
ECHO	Y	Y	Y	Y
ENTER	Y	Y	Y	Y
EOJ	Y	Y	Y	Y
FSAPPEND, FSDIRLIST, FSQUERY, FSUPLOAD	Y	Y	Y	Y
FSDELETE	Y	Y	Y	Y
FSDOWNLOAD	Y	Y	Y	Y
FSINIT	Y	Y	Y	Y
FSMKDIR	Y	Y	Y	Y
INFO	Y	Y	Y	Y
INITIALIZE	Y	Y	Y	Y
INQUIRE	Y	Y	Y	Y
JOB	Y	Y	Y	Y
OPMSG	Y	Y	Y	Y
PJL	Y	Y	Y	Y
RDYMSG	Y	Y	Y	Y
RESET	Y	Y	Y	Y
SET	Y	Y	Y	Y
STMSG	Y	Y	Y	Y
UEL	Y	Y	Y	Y
USTATUS	Y	Y	Y	Y
USTATUSOFF	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these functions and commands on your product.				

Table 4. PJL feature support for HP LaserJet products

PJL command name	LaserJet 5100 series	LaserJet 8150 series	LaserJet 9000 series	LaserJet 9000mfp series
COMMENT	Y	Y	Y	Y
DEFAULT	Y	Y	Y	Y
DINQUIRE	Y	Y	Y	Y
ECHO	Y	Y	Y	Y
ENTER	Y	Y	Y	Y
EOJ	Y	Y	Y	Y
FSAPPEND, FSDIRLIST, FSQUERY, FSUPLOAD	Y	Y	Y	Y
FSDELETE	Y	Y	Y	Y
FSDOWNLOAD	Y	Y	Y	Y
FSINIT	Y	Y	Y	Y
FSMKDIR	Y	Y	Y	Y
INFO	Y	Y	Y	Y
INITIALIZE	Y	Y	Y	Y
INQUIRE	Y	Y	Y	Y
JOB	Y	Y	Y	Y
OPMSG	Y	Y	Y	Y
PJL	Y	Y	Y	Y
RDYMSG	Y	Y	Y	Y
RESET	Y	Y	Y	Y
SET	Y	Y	Y	Y
STMSG	Y	Y	Y	Y
UEL	Y	Y	Y	Y
USTATUS	Y	Y	Y	Y
USTATUSOFF	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these functions and commands on your product.				

Table 5. PJL feature support for HP LaserJet products

PJL command name	LaserJet 3200mfp series	LaserJet 3300mfp series
COMMENT	Y	Y
DEFAULT	Y	Y
DINQUIRE	Y	Y
ECHO	Y	Y
ENTER	Y	Y
EOJ	Y	Y
FSAPPEND, FSDIRLIST, FSQUERY, FSUPLOAD	ns	ns
FSDELETE	ns	ns
FSDOWNLOAD	ns	ns
FSINIT	ns	ns
FSMKDIR	ns	ns
INFO	Y	Y
INITIALIZE	Y	Y
INQUIRE	Y	Y
JOB	Y	Y
OPMSG	Y	Y
PJL	Y	Y
RDYMSG	Y	Y
RESET	Y	Y
SET	Y	Y
STMSG	Y	Y
UEL	Y	Y
USTATUS	Y	Y
USTATUSOFF	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these functions and commands on your product.		

Table 6. PJL feature support for HP color LaserJet products

PJL command name	color LaserJet 2500 series	color LaserJet 4550 series	color LaserJet 4600 series
COMMENT	Y	Y	Y
DEFAULT	Y	Y	Y
DINQUIRE	Y	Y	Y
ECHO	Y	Y	Y
ENTER	Y	Y	Y
EOJ	Y	Y	Y
FSAPPEND, FSDIRLIST, FSQUERY, FSUPLOAD	Y	Y	Y
FSDELETE	Y	Y	Y
FSDOWNLOAD	Y	Y	Y
FSINIT	Y	Y	Y
FSMKDIR	Y	Y	Y
INFO	Y	Y	Y
INITIALIZE	Y	Y	Y
INQUIRE	Y	Y	Y
JOB	Y	Y	Y
OPMSG	Y	Y	Y
PJL	Y	Y	Y
RDYMSG	Y	Y	Y
RESET	Y	Y	Y
SET	Y	Y	Y
STMSG	Y	Y	Y
UEL	Y	Y	Y
USTATUS	Y	Y	Y
USTATUSOFF	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these functions and commands on your product.			

Table 7. PJL feature support for HP color LaserJet products

PJL command name	color LaserJet 5500 series	color LaserJet 8550 series	color LaserJet 8550mfp series
COMMENT	Y	Y	Y
DEFAULT	Y	Y	Y
DINQUIRE	Y	Y	Y
ECHO	Y	Y	Y
ENTER	Y	Y	Y
EOJ	Y	Y	Y
FSAPPEND, FSDIRLIST, FSQUERY, FSUPLOAD	Y	Y	Y
FSDELETE	Y	Y	Y
FSDOWNLOAD	Y	Y	Y
FSINIT	Y	Y	Y
FSMKDIR	Y	Y	Y
INFO	Y	Y	Y
INITIALIZE	Y	Y	Y
INQUIRE	Y	Y	Y
JOB	Y	Y	Y
OPMSG	Y	Y	Y
PJL	Y	Y	Y
RDYMSG	Y	Y	Y
RESET	Y	Y	Y
SET	Y	Y	Y
STMSG	Y	Y	Y
UEL	Y	Y	Y
USTATUS	Y	Y	Y
USTATUSOFF	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these functions and commands on your product.			

PJL environment variable support

Table 8 describes the contents of the subsequent environmental-variable support tables for the HP LaserJet and HP color LaserJet products. These tables list all of the current environment variables for PJL, PCL 5, and PostScript (PS), and show the features that each printer supports.

Table 8. Table contents for PJL environment variable support

Table and location	Features for these products
Table 9 on page 25	HP LaserJet 1150 series, 1200 series, 1300 series, 2200 series, 2300 series
Table 10 on page 41	HP LaserJet 4100 series, 4100mfp series, 4200 series, 4300 series
Table 11 on page 55	HP LaserJet 5100 series, 8150 series, 9000 series, 9000mfp series
Table 12 on page 71	HP LaserJet 3200mfp series, 3300mfp series
Table 13 on page 86	HP color LaserJet 2500 series, 4550 series, 4600 series
Table 14 on page 101	HP color LaserJet 5500 series, 8550 series, 8550mfp series

The following tables list the PJL commands and associated variables that each product supports. The letter “Y” indicates that the feature is supported; “ns” indicates that the feature is not supported.

Note

The information contained in the following tables is subject to change without notice. To ensure that the specific support information is correct, test the variable settings on your product.

Table 9. PJL environmental variables for HP LaserJet products

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
AUTOCONT[1]	OFF	(Y)	(Y)	(Y)	(Y)	Y
	ON	Y	Y	Y	Y	(Y)
BINDING	LONGEDGE	ns	ns	ns	(Y)	(Y)
	SHORTEDGE	ns	ns	ns	Y	Y
BITSPERPIXEL	MINIMUM	1	1	1	1	1
	MAXIMUM	2	2	2	2	2
	DEFAULT	2	1	1	1	2
CLEARABLEWARNINGS[1]	JOB	ns	ns	ns	ns	(Y)
	ON	ns	ns	ns	ns	Y
COPIES	MINIMUM	1	1	1	1	1
	MAXIMUM	999	999	999	999	32000
	DEFAULT	1	1	1	1	32000
COURIER	REGULAR	(Y)	(Y)	(Y)	(Y)	(Y)
	DARK	Y	Y	Y	Y	Y
CPLOCK[2]	OFF	ns	ns	ns	ns	(Y)
	ON	ns	ns	ns	ns	Y
	MINIMUM	ns	ns	ns	ns	Y
	MODERATE	ns	ns	ns	ns	Y
	MAXIMUM	ns	ns	ns	ns	Y
DENSITY[1]	MINIMUM	1	1	1	1	1
	MAXIMUM	5	5	5	5	5
	DEFAULT	3	3	3	3	3
DISKLOCK[2]	OFF	ns	ns	ns	ns	(Y)
	ON	ns	ns	ns	ns	Y
DUPLEX	OFF	ns	ns	ns	(Y)	(Y)
	ON	ns	ns	ns	Y	Y
ECONOMODE	OFF	(Y)	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y	Y
EDGETOEDGE	NO	ns	ns	ns	ns	ns
	YES	ns	ns	ns	ns	ns
FIH	OFF	ns	ns	ns	ns	ns
	ON	ns	ns	ns	ns	ns
FINISH	NONE	ns	ns	ns	ns	(Y)
	STAPLE	ns	ns	ns	ns	Y
	ON	ns	ns	ns	ns	Y

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] When a SET or DEFAULT command is used with the AUTOCONT, CLEARABLEWARNINGS, or DENSITY variables, both the User Default and PJL Current Environment settings are modified (except for settings in the HP LaserJet 4L, 5L, and 6L printers). It is recommended that these variables *not* be changed on a job-by-job basis.

[2] Can be modified only by using the DEFAULT command.

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
FINISHEROPTION	MINIMUM	ns	ns	ns	ns	0
	MAXIMUM	ns	ns	ns	ns	255
	DEFAULT	ns	ns	ns	ns	0
FINISHERTYPE	MINIMUM	ns	ns	ns	ns	0
	MAXIMUM	ns	ns	ns	ns	255
	DEFAULT	ns	ns	ns	ns	0
FORMLINES	MINIMUM	5	5	5	5	5
	MAXIMUM	128	128	128	128	128
	DEFAULT	60	60	60	60	60
HELDJOBTIMEOUT	DISABLED	ns	ns	ns	ns	(Y)
	ONEHOUR	ns	ns	ns	ns	Y
	FOURHOURS	ns	ns	ns	ns	Y
	ONEDAY	ns	ns	ns	ns	Y
	ONEWEEK	ns	ns	ns	ns	Y
HOLD	OFF	ns	ns	ns	ns	(Y)
	ON	ns	ns	ns	ns	Y
	PROOF	ns	ns	ns	ns	Y
	STORE	ns	ns	ns	ns	Y
	JOB	ns	ns	ns	ns	ns
HOLDKEY	DEFAULT	ns	ns	ns	ns	“”
	MAXIMUM LENGTH	ns	ns	ns	ns	4
HOLDTYPE	PUBLIC	ns	ns	ns	ns	(Y)
	PRIVATE	ns	ns	ns	ns	Y
HOSTCLEANINGPAGE	OFF	ns	ns	ns	ns	ns
	ON	ns	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
INTRAY1SIZE	LETTER	ns	ns	ns	ns	Y
	LEGAL	ns	ns	ns	ns	Y
	A4	ns	ns	ns	ns	Y
	EXECUTIVE	ns	ns	ns	ns	Y
	LEDGER	ns	ns	ns	ns	ns
	A3	ns	ns	ns	ns	ns
	COM10	ns	ns	ns	ns	Y
	MONARCH	ns	ns	ns	ns	Y
	C5	ns	ns	ns	ns	Y
	DL	ns	ns	ns	ns	Y
	JISB4	ns	ns	ns	ns	ns
	JISB5	ns	ns	ns	ns	Y
	B5	ns	ns	ns	ns	Y
	CUSTOM	ns	ns	ns	ns	Y
	A5	ns	ns	ns	ns	Y
	ROC8K	ns	ns	ns	ns	ns
	ROC16K	ns	ns	ns	ns	Y
	JISEXEC	ns	ns	ns	ns	Y
	LETTERROTATED	ns	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	ns	ns	Y
	A4ROTATED	ns	ns	ns	ns	ns
	ISOB5	ns	ns	ns	ns	Y
	ANY	ns	ns	ns	ns	(Y)
	EIGHTPOINT5X13	ns	ns	ns	ns	Y
	LOCKED	ns	ns	ns	Y	ns
	UNLOCKED	ns	ns	ns	(Y)	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
INTRAY2SIZE	LETTER	ns	ns	ns	ns	(Y)
	LEGAL	ns	ns	ns	ns	Y
	A4	ns	ns	ns	ns	Y
	EXECUTIVE	ns	ns	ns	ns	Y
	LEDGER	ns	ns	ns	ns	ns
	A3	ns	ns	ns	ns	ns
	COM10	ns	ns	ns	ns	ns
	MONARCH	ns	ns	ns	ns	ns
	C5	ns	ns	ns	ns	ns
	DL	ns	ns	ns	ns	ns
	JISB4	ns	ns	ns	ns	ns
	JISB5	ns	ns	ns	ns	Y
	B5	ns	ns	ns	ns	ns
	CUSTOM	ns	ns	ns	ns	ns
	JPOSTD	ns	ns	ns	ns	ns
	A5	ns	ns	ns	ns	Y
	ROC8K	ns	ns	ns	ns	ns
	ROC16K	ns	ns	ns	ns	Y
	JISEXEC	ns	ns	ns	ns	Y
	LETTERROTATED	ns	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	ns	ns	ns
	A4ROTATED	ns	ns	ns	ns	ns
	ISOB5	ns	ns	ns	ns	Y
	ANY	ns	ns	ns	ns	Y
	EIGHTPOINT5X13	ns	ns	ns	ns	Y
	LOCKED	ns	ns	ns	Y	ns
	UNLOCKED	ns	ns	ns	(Y)	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
INTRAY3SIZE	LETTER	ns	ns	ns	ns	(Y)
	LEGAL	ns	ns	ns	ns	ns
	A4	ns	ns	ns	ns	Y
	EXECUTIVE	ns	ns	ns	ns	ns
	LEDGER	ns	ns	ns	ns	ns
	A3	ns	ns	ns	ns	ns
	COM10	ns	ns	ns	ns	ns
	MONARCH	ns	ns	ns	ns	ns
	C5	ns	ns	ns	ns	ns
	DL	ns	ns	ns	ns	ns
	JISB4	ns	ns	ns	ns	ns
	JISB5	ns	ns	ns	ns	ns
	B5	ns	ns	ns	ns	ns
	CUSTOM	ns	ns	ns	ns	ns
	JPOSTD	ns	ns	ns	ns	ns
	A5	ns	ns	ns	ns	ns
	ROC8K	ns	ns	ns	ns	ns
	ROC16K	ns	ns	ns	ns	ns
	JISEXEC	ns	ns	ns	ns	ns
	LETTERROTATED	ns	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	ns	ns	ns
	A4ROTATED	ns	ns	ns	ns	ns
	ISOB5	ns	ns	ns	ns	ns
	ANY	ns	ns	ns	ns	Y
	EIGHTPOINT5X13	ns	ns	ns	ns	ns
	LOCKED	ns	ns	ns	Y	ns
	UNLOCKED	ns	ns	ns	(Y)	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
INTRAY4SIZE	LETTER	ns	ns	ns	ns	ns
	LEGAL	ns	ns	ns	ns	ns
	A4	ns	ns	ns	ns	ns
	EXECUTIVE	ns	ns	ns	ns	ns
	LEDGER	ns	ns	ns	ns	ns
	A3	ns	ns	ns	ns	ns
	COM10	ns	ns	ns	ns	ns
	MONARCH	ns	ns	ns	ns	ns
	C5	ns	ns	ns	ns	ns
	DL	ns	ns	ns	ns	ns
	JISB4	ns	ns	ns	ns	ns
	JISB5	ns	ns	ns	ns	ns
	B5	ns	ns	ns	ns	ns
	CUSTOM	ns	ns	ns	ns	ns
	JPOSTD	ns	ns	ns	ns	ns
	A5	ns	ns	ns	ns	ns
	ROC8K	ns	ns	ns	ns	ns
	ROC16K	ns	ns	ns	ns	ns
	JISEXEC	ns	ns	ns	ns	ns
	LETTERROTATED	ns	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	ns	ns	ns
	A4ROTATED	ns	ns	ns	ns	ns
	ISOB5	ns	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
INTRAY5SIZE	LETTER	ns	ns	ns	ns	ns
	LEGAL	ns	ns	ns	ns	ns
	A4	ns	ns	ns	ns	ns
	EXECUTIVE	ns	ns	ns	ns	ns
	LEDGER	ns	ns	ns	ns	ns
	A3	ns	ns	ns	ns	ns
	COM10	ns	ns	ns	ns	ns
	MONARCH	ns	ns	ns	ns	ns
	C5	ns	ns	ns	ns	ns
	DL	ns	ns	ns	ns	ns
	JISB4	ns	ns	ns	ns	ns
	JISB5	ns	ns	ns	ns	ns
	B5	ns	ns	ns	ns	ns
	CUSTOM	ns	ns	ns	ns	ns
	JPOSTD	ns	ns	ns	ns	ns
	A5	ns	ns	ns	ns	ns
	ROC8K	ns	ns	ns	ns	ns
	ROC16K	ns	ns	ns	ns	ns
	JISEXEC	ns	ns	ns	ns	ns
	LETTERROTATED	ns	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	ns	ns	ns
	A4ROTATED	ns	ns	ns	ns	ns
	ISOB5	ns	ns	ns	ns	ns
INTRAY6SIZE	*Tray-dependent*	ns	ns	ns	ns	ns
INTRAY7SIZE	*Tray-dependent*	ns	ns	ns	ns	ns
INTRAY8SIZE	*Tray-dependent*	ns	ns	ns	ns	ns
JOBATTR	*“attribute string”*	ns	ns	ns	ns	Y
	MAXIMUM LENGTH	ns	ns	ns	ns	
JOBID	OFF	ns	ns	ns	ns	Y
	ON	ns	ns	ns	ns	(Y)
JOBNAME	“*jawbone string*”	ns	ns	ns	ns	
	MAXIMUM LENGTH	ns	ns	ns	ns	Y
JOBOFFSET	OFF	ns	ns	ns	ns	(Y)
	ON	ns	ns	ns	ns	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
LANG	DANISH	ns	ns	ns	Y	Y
	GERMAN	ns	ns	ns	Y	Y
	ENGLISH	(Y)	(Y)	(Y)	(Y)	(Y)
	SPANISH	ns	ns	ns	Y	Y
	FRENCH	ns	ns	ns	Y	Y
	ITALIAN	ns	ns	ns	Y	Y
	DUTCH	ns	ns	ns	Y	Y
	NORWEGIAN	ns	ns	ns	Y	Y
	POLISH	ns	ns	ns	Y	Y
	PORTUGUESE	ns	ns	ns	Y	Y
	FINNISH	ns	ns	ns	Y	Y
	SWEDISH	ns	ns	ns	Y	Y
	TURKISH	ns	ns	ns	Y	Y
	JAPANESE	ns	ns	ns	ns	Y
	CZECH	ns	ns	ns	Y	Y
	HUNGARIAN	ns	ns	ns	Y	Y
	RUSSIAN	ns	ns	ns	Y	Y
	TRADITIONALCHINESE	ns	ns	ns	ns	Y
	SIMPLIFIEDCHINESE	ns	ns	ns	ns	Y
	KOREAN	ns	ns	ns	ns	Y
LOWCARTRIDGE	STOP	ns	ns	ns	ns	ns
	CONTINUE	ns	ns	ns	ns	ns
LOWSUPPLIES	STOP	ns	ns	ns	ns	Y
	CONTINUE	ns	ns	ns	ns	(Y)
LOWTONER	STOP	ns	ns	ns	ns	ns
	CONTINUE	ns	ns	ns	ns	ns
	OFF	ns	ns	ns	ns	ns
	ON	ns	ns	ns	ns	ns
LPARM: PCL FONTNUMBER	MINIMUM	0	0	0	0	0
	MAXIMUM	50	94	104	103	89
	DEFAULT	0	0	0	0	0
LPARM: PCL FONTSOURCE	I	(Y)	(Y)	(Y)	(Y)	(Y)
	M1	ns	ns	ns	ns	ns
	M2	ns	ns	ns	ns	ns
	M3	ns	ns	ns	ns	Y
	M4	ns	ns	ns	ns	ns
	M5	ns	ns	ns	ns	ns
	S	ns	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
LPARM: PCL LINETERMINATION	0	(Y)	(Y)	(Y)	(Y)	ns
	1	Y	Y	Y	Y	ns
	2	Y	Y	Y	Y	ns
	3	Y	Y	Y	Y	ns
LPARM: PCL PITCH	MINIMUM	0.44	0.44	0.44	0.44	0.44
	MAXIMUM	99.99	99.99	99.99	99.99	99.99
	DEFAULT	10.00	10.00	10.00	10.00	10.00
LPARM: PCL PTSIZE	MINIMUM	4.00	4.00	4.00	4.00	4.00
	MAXIMUM	999.75	999.75	999.75	999.75	999.75
	DEFAULT	12.00	12.00	12.00	12.00	12.00
LPARM: PCL SYMSET (continued on the following page)	DESKTOP	Y	Y	Y	Y	Y
	ISO4	Y	Y	Y	Y	Y
	ISO6	Y	Y	Y	Y	Y
	ISO11	Y	Y	Y	Y	Y
	ISO15	Y	Y	Y	Y	Y
	ISO17	Y	Y	Y	Y	Y
	ISO21	Y	Y	Y	Y	Y
	ISO60	Y	Y	Y	Y	Y
	ISO69	Y	Y	Y	Y	Y
	ISOL1	Y	Y	Y	Y	Y
	ISOL2	Y	Y	Y	Y	Y
	ISOL5	Y	Y	Y	Y	Y
	ISOL6	Y	Y	Y	Y	Y
	ISOL9	ns	ns	ns	ns	Y
	LEGAL	Y	Y	Y	Y	Y
	MCTEXT	Y	Y	Y	Y	Y
	PC1004	Y	Y	Y	Y	Y
	PC775	Y	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
LPARM: PCL SYMSET (continued from the previous page)	PC8	(Y)	(Y)	(Y)	(Y)	(Y)
	PC850	Y	Y	Y	Y	Y
	PC852	Y	Y	Y	Y	Y
	PC858	ns	ns	ns	ns	Y
	PC8DN	Y	Y	Y	Y	Y
	PC8TK	Y	Y	Y	Y	Y
	PSTEXT	Y	Y	Y	Y	Y
	ROMAN8	Y	Y	Y	Y	Y
	ROMAN9	ns	ns	ns	ns	Y
	WIN30	Y	Y	Y	Y	Y
	WIN31J	ns	ns	ns	ns	ns
	WINBALT	Y	Y	Y	Y	Y
	WINL1	Y	Y	Y	Y	Y
	WINL2	Y	Y	Y	Y	Y
	WINL5	Y	Y	Y	Y	Y
	UCS2	ns	ns	ns	ns	Y
	PC866CYR	Y	Y	Y	Y	ns
	PC866UKR	Y	Y	Y	Y	ns
	WINCYR	Y	Y	Y	Y	ns
	ISOCYR	Y	Y	Y	Y	ns
	PC8GRK	Y	Y	Y	Y	ns
	PC851GRK	Y	Y	Y	Y	ns
	WINGRK	Y	Y	Y	Y	ns
	ISOGRK	Y	Y	Y	Y	ns
	GREEK8	Y	Y	Y	Y	ns
	PC862HEB	Y	Y	Y	Y	ns
	ISOHEB	Y	Y	Y	Y	ns
	HEBREW7	Y	Y	Y	Y	ns
	HEBREW8	Y	Y	Y	Y	ns
	PC864ARA	Y	Y	Y	Y	ns
	ARABIC8	Y	Y	Y	Y	ns
	HPWARA	Y	Y	Y	Y	ns
LPARM: PDF OWNERPASSWORD	MINIMUM	ns	ns	ns	ns	ns
	MAXIMUM	ns	ns	ns	ns	ns
	DEFAULT	ns	ns	ns	ns	ns
LPARM: PDF USERPASSWORD	MINIMUM	ns	ns	ns	ns	ns
	MAXIMUM	ns	ns	ns	ns	ns
	DEFAULT	ns	ns	ns	ns	ns
LPARM: POSTSCRIPT PRTSERRS	OFF	ns	(Y)	(Y)	(Y)	(Y)
	ON	ns	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
MANUALDUPLEX	OFF	ns	ns	ns	ns	(Y)
	ON	ns	ns	ns	ns	Y
MANUALFEED	OFF	(Y)	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y	Y
MEDIASOURCE	DEFAULT	ns	ns	ns	ns	Y
	AUTOSELECT	ns	ns	ns	ns	Y
	DEFAULTSOURCETRAY	ns	ns	ns	ns	Y
	MANUALFEED	ns	ns	ns	ns	Y
	TRAY1	ns	ns	ns	ns	Y
	TRAY2	ns	ns	ns	ns	Y
	TRAY3	ns	ns	ns	ns	Y
	TRAY4	ns	ns	ns	ns	ns
	ENVELOPE TRAY	ns	ns	ns	ns	ns
	DUPLEXTRAY	ns	ns	ns	ns	Y
	EXTERNALTRAY	ns	ns	ns	ns	ns
	EXTERNALTRAY02	ns	ns	ns	ns	ns
	EXTERNALTRAY03	ns	ns	ns	ns	ns
	EXTERNALTRAY04	ns	ns	ns	ns	ns
	EXTERNALTRAY05	ns	ns	ns	ns	ns
	o	ns	ns	ns	ns	ns
	o	ns	ns	ns	ns	ns
	o	ns	ns	ns	ns	ns
	EXTERNALTRAY32	ns	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
MEDIATYPE	DEFAULTMEDIATYPE	ns	ns	ns	ns	Y
	ANY	ns	ns	ns	ns	Y
	PLAIN	ns	ns	ns	ns	Y
	PREPRINTED	ns	ns	ns	ns	Y
	LETTERHEAD	ns	ns	ns	ns	Y
	TRANSPARENCY	ns	ns	ns	ns	Y
	PREPUNCHED	ns	ns	ns	ns	Y
	LABELS	ns	ns	ns	ns	Y
	BOND	ns	ns	ns	ns	Y
	RECYCLED	ns	ns	ns	ns	Y
	COLOR	ns	ns	ns	ns	Y
	LIGHT	ns	ns	ns	ns	ns
	HEAVY	ns	ns	ns	ns	ns
	CARDSTOCK	ns	ns	ns	ns	Y
	ROUGH	ns	ns	ns	ns	Y
	VELLUM	ns	ns	ns	ns	ns
	ENVELOPE	ns	ns	ns	ns	Y
	GLOSSY	ns	ns	ns	ns	ns
	HEAVYGLOSSY	ns	ns	ns	ns	ns
	TOUGHPAPER	ns	ns	ns	ns	ns
	USERTYPE1	ns	ns	ns	ns	ns
	USERTYPE2	ns	ns	ns	ns	ns
	USERTYPE3	ns	ns	ns	ns	ns
	USERTYPE4	ns	ns	ns	ns	ns
	USERTYPE5	ns	ns	ns	ns	ns
MPTRAY	MANUAL	ns	ns	ns	ns	ns
	CASSETTE	ns	ns	ns	Y	ns
	FIRST	ns	ns	ns	(Y)	ns
ORIENTATION	PORTRAIT	(Y)	(Y)	(Y)	(Y)	(Y)
	LANDSCAPE	Y	Y	Y	Y	Y
OUTBIN	UPPER	ns	ns	ns	ns	Y
	LOWER	ns	ns	ns	ns	ns
OUTBINPROCESS	MINIMUM	ns	ns	ns	ns	0
	MAXIMUM	ns	ns	ns	ns	255
	DEFAULT	ns	ns	ns	ns	0
OUTLINEPOINTSIZE	MINIMUM	12	12	12	12	0
	MAXIMUM	999	999	999	999	999
	DEFAULT	72	72	72	72	72
OUTTONER	STOP	ns	ns	ns	ns	ns
	CONTINUE	ns	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
PAGEPROTECT	AUTO	ns	(Y)	ns	(Y)	ns
	ON	ns	Y	ns	Y	ns
PAPER (Letter, Legal, Ledger, A3, A4, Executive, JISB4, and JISB5 are paper sizes; Com10, C5, DL, Monarch, and B5 are envelope sizes; JPOST and JPOSTD are Japanese postcard sizes; CUSTOM is for feeding other sizes, such as 3 x 5 cards and labels)	A3	ns	ns	ns	ns	ns
	A4[1]	Y	Y	Y	Y	Y
	A5	Y	Y	Y	Y	Y
	B5	Y	Y	Y	Y	Y
	CUSTOM	Y	Y	Y	Y	Y
	COM10	Y	Y	Y	Y	Y
	C5	Y	Y	Y	Y	Y
	DL[1]	Y	Y	Y	Y	Y
	EXECUTIVE	Y	Y	Y	Y	Y
	ISOB5	Y	Y	Y	Y	Y
	JISB4	ns	ns	ns	ns	ns
	JISB5	Y	Y	Y	Y	Y
	JISEXEC	ns	ns	ns	ns	Y
	JPOST	Y	Y	Y	Y	ns
	JPOSTD	Y	Y	Y	Y	Y
	LEDGER	ns	ns	ns	ns	ns
	LEGAL	Y	Y	Y	Y	Y
	LETTER[1]	(Y)	(Y)	(Y)	(Y)	(Y)
	MONARCH	Y	Y	Y	Y	Y
	ROC8K	ns	ns	ns	ns	ns
	ROC16K	Y	Y	Y	Y	Y
	EIGHTPOINT5X13	ns	ns	ns	ns	Y
	FOOLSCAP	Y	Y	Y	Y	ns
PASSWORD[2]	MINIMUM	0	0	0	0	0
	MAXIMUM	65535	65535	65535	65535	65535
	DEFAULT	0	0	0	0	0
PERSONALITY	AUTO	(Y)	(Y)	(Y)	(Y)	(Y)
	PCL	Y	Y	Y	Y	Y
	POSTSCRIPT	ns	Y	Y	Y	Y
	PDF	ns	ns	ns	ns	ns
PLANESINUSE	3	ns	ns	ns	ns	ns
	1	ns	ns	ns	ns	(Y)
POWERSAVE	ON	ns	ns	ns	ns	(Y)
	OFF	ns	ns	ns	ns	Y
POWERSAVEMODE	ENERGYSTAR	ns	ns	ns	ns	ns
	BLUEANGEL	ns	ns	ns	ns	ns

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.
[1] If configured for metric paper sizes, A4 is the default paper size and DL is the default envelope size.
[2] The PASSWORD variable is only supported with the DEFAULT, DINQUIRE, and INQUIRE.

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
POWERSAVETIME	1	ns	ns	ns	ns	Y
	15	ns	ns	ns	ns	Y
	30	ns	ns	ns	ns	Y
	60	ns	ns	ns	ns	Y
	90	ns	ns	ns	ns	Y
	120	ns	ns	ns	ns	Y
	240	ns	ns	ns	ns	Y
PRINTONBACKSIDE	ON	ns	ns	ns	ns	Y
	OFF	ns	ns	ns	ns	(Y)
PROCESSINGBOUNDARY	MOPY	ns	ns	ns	ns	(Y)
	JOB	ns	ns	ns	ns	Y
PROCESSINGOPTION	DEFAULT	ns	ns	ns	ns	“”
	MAXIMUM LENGTH	ns	ns	ns	ns	16
PROCESSINGTYPE	DEFAULT	ns	ns	ns	ns	""
	MAXIMUM LENGTH	ns	ns	ns	ns	80
QTY	MINIMUM	0	0	0	0	1
	MAXIMUM	999	999	999	999	32000
	DEFAULT	0	0	0	0	0
REPRINT	AUTO	(Y)	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y	Y
	OFF	Y	Y	Y	Y	Y
RESOLUTION	300	Y	Y	Y	Y	Y
	600	(Y)	Y	Y	Y	(Y)
	1200	Y	(Y)	(Y)	(Y)	Y
RET	ON	(Y)	(Y)	(Y)	(Y)	ns
	OFF	Y	Y	Y	Y	Y
	LIGHT	ns	ns	ns	ns	Y
	MEDIUM	ns	ns	ns	ns	(Y)
	DARK	ns	ns	ns	ns	Y
SCAN	MINIMUM	ns	0	ns	0	ns
	MAXIMUM	ns	65535	ns	65535	ns
	DEFAULT	ns	0	ns	0	ns

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
STAPLEOPTION	DEFAULT	ns	ns	ns	ns	(Y)
	ONE	ns	ns	ns	ns	Y
	TWO	ns	ns	ns	ns	Y
	THREE	ns	ns	ns	ns	Y
	FOUR	ns	ns	ns	ns	Y
	FIVE	ns	ns	ns	ns	Y
	SIX	ns	ns	ns	ns	Y
	SEVEN	ns	ns	ns	ns	Y
	ONEANGLED	ns	ns	ns	ns	Y
	ONEOPPOSED	ns	ns	ns	ns	Y
	OPTION3	ns	ns	ns	ns	Y
	OPTION4	ns	ns	ns	ns	Y
	OPTION5	ns	ns	ns	ns	Y
	OPTION6	ns	ns	ns	ns	Y
	CUSTOM	ns	ns	ns	ns	Y
	NONE	ns	ns	ns	ns	ns
STRINGCODESET	HPROMAN8	ns	ns	ns	ns	(Y)
	JISX02011976	ns	ns	ns	ns	Y
	ISO88592	ns	ns	ns	ns	Y
	ISO88599	ns	ns	ns	ns	Y
	ISO88595	ns	ns	ns	ns	Y
	UTF8	ns	ns	ns	ns	Y
TESTPAGE	?	(Y)	(Y)	(Y)	(Y)	ns
	SELFTEST	Y	Y	Y	Y	ns
	PCLTYPELIST	Y	Y	Y	Y	ns
	CONTSELFTEST	Y	Y	Y	Y	ns
	DEMOPAGE	Y	Y	Y	Y	ns
	ERRORREPORT	Y	ns	Y	ns	ns
	SUPPLIESSTATUSREPORT	Y	ns	Y	ns	ns
	DATASTORE	Y	ns	Y	ns	ns
	PSTYPEFACELIST	ns	Y	Y	Y	ns
TIMEOUT	MINIMUM	5	5	5	5	5
	MAXIMUM	300	300	300	300	300
	DEFAULT	15	15	15	15	15
TRAY1TEMP	LOW	ns	Y	ns	Y	ns
	MEDIUM	ns	(Y)	ns	Y	ns
	HIGH	ns	Y	ns	(Y)	ns
	HIGH2	ns	Y	ns	Y	ns
TRAY2TEMP	LOW	ns	ns	ns	Y	ns
	MEDIUM	ns	ns	ns	(Y)	ns
	HIGH	ns	ns	ns	Y	ns
	HIGH2	ns	ns	ns	Y	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 9. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	1150 series	1200 series	1300 series	2200 series	2300 series
TRAY3TEMP	LOW	ns	ns	ns	Y	ns
	MEDIUM	ns	ns	ns	(Y)	ns
	HIGH	ns	ns	ns	Y	ns
	HIGH2	ns	ns	ns	Y	ns
USERNAME	MAXIMUM LENGTH	ns	ns	ns	ns	80
WIDEA4	NO	(Y)	(Y)	(Y)	(Y)	(Y)
	YES	Y	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.						

Table 10. PJL environmental variables for HP LaserJet products

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
AUTOCONT[1]	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
BINDING	LONGEDGE	(Y)	(Y)	(Y)	(Y)
	SHORTEDGE	Y	Y	Y	Y
BITSPERPIXEL	MINIMUM	1	1	ns	ns
	MAXIMUM	2	2	ns	ns
	DEFAULT	2	2	ns	ns
CLEARABLEWARNINGS[1]	JOB	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
COPIES	MINIMUM	1	1	1	1
	MAXIMUM	999	32000	32000	32000
	DEFAULT	1	32000	32000	32000
COURIER	REGULAR	(Y)	(Y)	(Y)	(Y)
	DARK	Y	Y	Y	Y
CPLOCK[2]	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
	MINIMUM	Y	Y	Y	Y
	MODERATE	Y	Y	Y	Y
	MAXIMUM	Y	Y	Y	Y
DENSITY[1]	MINIMUM	1	1	1	1
	MAXIMUM	5	5	5	5
	DEFAULT	3	3	3	3
DISKLOCK[2]	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
DUPLEX	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
ECONOMODE	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
EDGETOEDGE	NO	ns	ns	ns	ns
	YES	ns	ns	ns	ns
FIH	OFF	ns	ns	ns	ns
	ON	ns	ns	ns	ns
FINISH	NONE	(Y)	(Y)	(Y)	(Y)
	STAPLE	Y	Y	Y	Y
	ON	Y	Y	Y	Y

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] When a SET or DEFAULT command is used with the AUTOCONT, CLEARABLEWARNINGS, or DENSITY variables, both the User Default and PJL Current Environment settings are modified (except for the LaserJet 4L, 5L, and 6L printers). It is recommended that these variables *not* be changed on a job-by-job basis.

[2] Can be modified only by using the DEFAULT command.

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
FINISHEROPTION	MINIMUM	0	0	0	0
	MAXIMUM	255	255	255	255
	DEFAULT	0	0	0	0
FINISHERTYPE	MINIMUM	0	0	0	0
	MAXIMUM	255	255	255	255
	DEFAULT	0	0	0	0
FORMLINES	MINIMUM	5	5	5	5
	MAXIMUM	128	128	128	128
	DEFAULT	60	60	60	60
HELDJOBTIMEOUT	DISABLED	(Y)	(Y)	(Y)	(Y)
	ONEHOUR	Y	Y	Y	Y
	FOURHOURS	Y	Y	Y	Y
	ONEDAY	Y	Y	Y	Y
	ONEWEEK	Y	Y	Y	Y
HOLD	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
	PROOF	Y	Y	Y	Y
	STORE	Y	Y	Y	Y
HOLDKEY	DEFAULT	""	""	""	""
	MAXIMUM LENGTH	4	4	4	4
HOLDTYPE	PUBLIC	(Y)	(Y)	(Y)	(Y)
	PRIVATE	Y	Y	Y	Y
HOSTCLEANINGPAGE	OFF	ns	ns	ns	ns
	ON	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
INTRAY1SIZE	LETTER	(Y)	(Y)	Y	Y
	LEGAL	Y	Y	Y	Y
	A4	Y	Y	Y	Y
	EXECUTIVE	Y	Y	Y	Y
	LEDGER	ns	ns	ns	ns
	A3	ns	ns	ns	ns
	COM10	Y	Y	Y	Y
	MONARCH	Y	Y	Y	Y
	C5	Y	Y	Y	Y
	DL	Y	Y	Y	Y
	JISB4	ns	ns	ns	ns
	JISB5	Y	Y	Y	Y
	B5	Y	Y	Y	Y
	CUSTOM	Y	Y	Y	Y
	JPOSTD	ns	ns	Y	Y
	A5	Y	Y	Y	Y
	ROC8K	ns	ns	ns	ns
	ROC16K	Y	Y	Y	Y
	JISEXEC	Y	Y	Y	Y
	LETTERROTATED	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	Y	Y
	A4ROTATED	ns	ns	ns	ns
	ISOB5	Y	Y	Y	Y
	ANY	ns	ns	(Y)	(Y)
	EIGHTPOINT5X13	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
INTRAY2SIZE	LETTER	(Y)	(Y)	(Y)	(Y)
	LEGAL	Y	Y	Y	Y
	A4	Y	Y	Y	Y
	EXECUTIVE	Y	Y	Y	Y
	LEDGER	ns	ns	ns	ns
	A3	ns	ns	ns	ns
	COM10	ns	ns	ns	ns
	MONARCH	ns	ns	ns	ns
	C5	ns	ns	ns	ns
	DL	ns	ns	ns	ns
	JISB4	ns	ns	ns	ns
	JISB5	Y	Y	Y	Y
	B5	ns	ns	ns	ns
	CUSTOM	Y	Y	Y	Y
	JPOSTD	ns	ns	ns	ns
	A5	Y	Y	Y	Y
	ROC8K	ns	ns	ns	ns
	ROC16K	ns	ns	Y	Y
	JISEXEC	ns	ns	Y	Y
	LETTERROTATED	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	Y	Y
	A4ROTATED	ns	ns	ns	ns
	ISOB5	ns	ns	Y	Y
	ANY	ns	ns	Y	Y
	EIGHTPOINT5X13	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
INTRAY3SIZE	LETTER	(Y)	(Y)	(Y)	(Y)
	LEGAL	Y	Y	Y	Y
	A4	Y	Y	Y	Y
	EXECUTIVE	Y	Y	Y	Y
	LEDGER	ns	ns	ns	ns
	A3	ns	ns	ns	ns
	COM10	ns	ns	ns	ns
	MONARCH	ns	ns	ns	ns
	C5	ns	ns	ns	ns
	DL	ns	ns	ns	ns
	JISB4	ns	ns	ns	ns
	JISB5	Y	Y	Y	Y
	B5	ns	ns	ns	ns
	CUSTOM	Y	Y	Y	Y
	JPOSTD	ns	ns	ns	ns
	A5	Y	Y	Y	Y
	ROC8K	ns	ns	ns	ns
	ROC16K	ns	ns	Y	Y
	JISEXEC	ns	ns	Y	Y
	LETTERROTATED	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	Y	Y
	A4ROTATED	ns	ns	ns	ns
	ISOB5	ns	ns	Y	Y
	ANY	ns	ns	Y	Y
	EIGHTPOINT5X13	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
INTRAY4SIZE	LETTER	ns	ns	ns	ns
	LEGAL	ns	ns	ns	ns
	A4	ns	ns	ns	ns
	EXECUTIVE	ns	ns	ns	ns
	LEDGER	ns	ns	ns	ns
	A3	ns	ns	ns	ns
	COM10	(Y)	(Y)	ns	ns
	MONARCH	Y	Y	ns	ns
	C5	Y	Y	ns	ns
	DL	Y	Y	ns	ns
	JISB4	ns	ns	ns	ns
	JISB5	ns	ns	ns	ns
	B5	Y	Y	ns	ns
	CUSTOM	ns	ns	ns	ns
	JPOSTD	ns	ns	ns	ns
	A5	ns	ns	ns	ns
	ROC8K	ns	ns	ns	ns
	ROC16K	ns	ns	ns	ns
	JISEXEC	ns	ns	ns	ns
	LETTERROTATED	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	ns	ns
	A4ROTATED	ns	ns	ns	ns
	ISOB5	ns	ns	ns	ns
	ANY	ns	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
INTRAY5SIZE	LETTER	(Y)	(Y)	ns	ns
	LEGAL	Y	Y	ns	ns
	A4	Y	Y	ns	ns
	EXECUTIVE	Y	Y	ns	ns
	LEDGER	ns	ns	ns	ns
	A3	ns	ns	ns	ns
	COM10	ns	ns	ns	ns
	MONARCH	ns	ns	ns	ns
	C5	ns	ns	ns	ns
	DL	ns	ns	ns	ns
	JISB4	ns	ns	ns	ns
	JISB5	Y	Y	ns	ns
	B5	ns	ns	ns	ns
	CUSTOM	Y	Y	ns	ns
	JPOSTD	ns	ns	ns	ns
	A5	Y	Y	ns	ns
	ROC8K	ns	ns	ns	ns
	ROC16K	ns	ns	ns	ns
	JISEXEC	ns	ns	ns	ns
	LETTERROTATED	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	ns	ns
	A4ROTATED	ns	ns	ns	ns
	ISOB5	ns	ns	ns	ns
	ANY	ns	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns	ns
INTRAY6SIZE	*Tray-dependent*	ns	ns	ns	ns
INTRAY7SIZE	*Tray-dependent*	ns	ns	ns	ns
INTRAY8SIZE	*Tray-dependent*	ns	ns	ns	ns
JOBATTR	*"attribute string"*	""	""	""	""
	MAXIMUM LENGTH	80	80	80	80
JOBID	OFF	Y	Y	(Y)	(Y)
	ON	(Y)	(Y)	Y	Y
JOBNAME	"*jobname string*"	""	""	""	""
	MAXIMUM LENGTH	80	80	80	80
JOBOFFSET	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
LANG	DANISH	Y	Y	Y	Y
	GERMAN	Y	Y	Y	Y
	ENGLISH	(Y)	(Y)	(Y)	(Y)
	SPANISH	Y	Y	Y	Y
	FRENCH	Y	Y	Y	Y
	ITALIAN	Y	Y	Y	Y
	DUTCH	Y	Y	Y	Y
	NORWEGIAN	Y	Y	Y	Y
	POLISH	Y	Y	Y	Y
	PORTUGUESE	Y	Y	Y	Y
	FINNISH	Y	Y	Y	Y
	SWEDISH	Y	Y	Y	Y
	TURKISH	Y	ns	Y	Y
	JAPANESE	Y	ns	Y	Y
	CZECH	Y	ns	Y	Y
	HUNGARIAN	Y	ns	Y	Y
	RUSSIAN	Y	ns	Y	Y
	TRADITIONALCHINESE	ns	ns	Y	Y
	SIMPLIFIEDCHINESE	ns	ns	Y	Y
	KOREAN	ns	ns	Y	Y
LOWCARTRIDGE	STOP	ns	ns	Y	Y
	CONTINUE	ns	ns	(Y)	(Y)
LOWSUPPLIES	STOP	ns	ns	ns	ns
	CONTINUE	ns	ns	ns	ns
LOWTONER	STOP	Y	Y	ns	ns
	CONTINUE	(Y)	(Y)	ns	ns
LPARM: PCL FONTNUMBER	MINIMUM	0	0	0	0
	MAXIMUM	89	89	89	89
	DEFAULT	0	0	0	0
LPARM: PCL FONTSOURCE	I	(Y)	(Y)	(Y)	(Y)
	M1	Y	Y	ns	ns
	M2	Y	Y	ns	ns
	M3	Y	Y	ns	ns
	M4	Y	Y	ns	ns
	M5	Y	Y	ns	ns
	S	Y	Y	ns	ns
LPARM: PCL PITCH	MINIMUM	0.44	0.44	0.44	0.44
	MAXIMUM	99.99	99.99	99.99	99.99
	DEFAULT	10.00	10.00	10.00	10.00
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
LPARM: PCL PTSIZE	MINIMUM	4.00	4.00	4.00	4.00
	MAXIMUM	999.75	999.75	999.75	999.75
	DEFAULT	12.00	12.00	12.00	12.00
LPARM: PCL SYMSET	DESKTOP	Y	Y	Y	Y
	ISO4	Y	Y	Y	Y
	ISO6	Y	Y	Y	Y
	ISO11	Y	Y	Y	Y
	ISO15	Y	Y	Y	Y
	ISO17	Y	Y	Y	Y
	ISO21	Y	Y	Y	Y
	ISO60	Y	Y	Y	Y
	ISO69	Y	Y	Y	Y
	ISOL1	Y	Y	Y	Y
	ISOL2	Y	Y	Y	Y
	ISOL5	Y	Y	Y	Y
	ISOL6	Y	Y	Y	Y
	ISOL9	Y	Y	Y	Y
	LEGAL	Y	Y	Y	Y
	MCTEXT	Y	Y	Y	Y
	PC1004	Y	Y	Y	Y
	PC775	Y	Y	Y	Y
	PC8	(Y)	(Y)	(Y)	(Y)
	PC850	Y	Y	Y	Y
	PC852	Y	Y	Y	Y
	PC858	Y	Y	Y	Y
	PC8DN	Y	Y	Y	Y
	PC8TK	Y	Y	Y	Y
	PSTEXT	Y	Y	Y	Y
	ROMAN8	Y	Y	Y	Y
	ROMAN9	Y	Y	Y	Y
	WIN30	Y	Y	Y	Y
	WIN31J	ns	ns	ns	ns
	WINBALT	Y	Y	Y	Y
	WINL1	Y	Y	Y	Y
	WINL2	Y	Y	Y	Y
	WINL5	Y	Y	Y	Y
	UCS2	ns	ns	ns	ns
LPARM: PDF OWNERPASSWORD	MINIMUM	ns	ns	ns	ns
	MAXIMUM	ns	ns	ns	ns
	DEFAULT	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
LPARM: PDF USERPASSWORD	MINIMUM	ns	ns	ns	ns
	MAXIMUM	ns	ns	ns	ns
	DEFAULT	ns	ns	ns	ns
LPARM: POSTSCRIPT PRTSERRS	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
MANUALDUPLEX	OFF	ns	ns	(Y)	(Y)
	ON	ns	ns	Y	Y
MANUALFEED	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
MEDIASOURCE	DEFAULT	ns	ns	Y	Y
	AUTOSELECT	ns	ns	Y	Y
	DEFAULTSOURCETRAY	ns	ns	Y	Y
	MANUALFEED	ns	ns	Y	Y
	TRAY1	ns	ns	Y	Y
	TRAY2	ns	ns	Y	Y
	TRAY3	ns	ns	Y	Y
	TRAY4	ns	ns	Y	Y
	ENVELOPE TRAY	ns	ns	Y	Y
	DUPLEXTRAY	ns	ns	ns	ns
	EXTERNALTRAY	ns	ns	Y	Y
	EXTERNALTRAY02	ns	ns	ns	ns
	EXTERNALTRAY03	ns	ns	ns	ns
	EXTERNALTRAY04	ns	ns	ns	ns
	EXTERNALTRAY05	ns	ns	ns	ns
	o	ns	ns	ns	ns
	o	ns	ns	ns	ns
	o	ns	ns	ns	ns
	EXTERNALTRAY32	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
MEDIATYPE	DEFAULTMEDIATYPE	ns	ns	Y	Y
	ANY	ns	ns	ns	ns
	PLAIN	ns	ns	Y	Y
	PREPRINTED	ns	ns	Y	Y
	LETTERHEAD	ns	ns	Y	Y
	TRANSPARENCY	ns	ns	Y	Y
	PREPUNCHED	ns	ns	Y	Y
	LABELS	ns	ns	Y	Y
	BOND	ns	ns	Y	Y
	RECYCLED	ns	ns	Y	Y
	COLOR	ns	ns	Y	Y
	LIGHT	ns	ns	ns	ns
	HEAVY	ns	ns	ns	ns
	CARDSTOCK	ns	ns	Y	Y
	ROUGH	ns	ns	Y	Y
	VELLUM	ns	ns	ns	ns
	ENVELOPE	ns	ns	ns	ns
	GLOSSY	ns	ns	ns	ns
	HEAVYGLOSSY	ns	ns	ns	ns
	TOUGHPAPER	ns	ns	ns	ns
	USERTYPE1	ns	ns	Y	Y
	USERTYPE2	ns	ns	Y	Y
	USERTYPE3	ns	ns	Y	Y
	USERTYPE4	ns	ns	Y	Y
	USERTYPE5	ns	ns	Y	Y
MPTRAY	FIRST	(Y)	(Y)	ns	ns
	CASSETTE	Y	Y	ns	ns
ORIENTATION	PORTRAIT	(Y)	(Y)	(Y)	(Y)
	LANDSCAPE	Y	Y	Y	Y
OUTBIN	UPPER	(Y)	(Y)	(Y)	(Y)
	LOWER	Y	Y	Y	Y
	OPTIONALOUTBIN1	Y	Y	Y	Y
OUTBINPROCESS	MINIMUM	0	0	0	0
	MAXIMUM	255	255	255	255
	DEFAULT	0	0	0	0
OUTLINEPOINTSIZE	MINIMUM	0	0	0	0
	MAXIMUM	999	999	999	999
	DEFAULT	72	72	72	72
OUTTONER	STOP	Y	Y	ns	ns
	CONTINUE	(Y)	(Y)	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
PAPER (Letter, Legal, Ledger, A3, A4, Executive, JISB4, and JISB5 are paper sizes; Com10, C5, DL, Monarch, and B5 are envelope sizes; JPOST and JPOSTD are Japanese postcard sizes; CUSTOM is for feeding other sizes, such as 3 x 5 cards and labels)	A3	Y	Y	ns	ns
	A4[1]	Y	Y	ns	ns
	A5	Y	Y	Y	Y
	B5	Y	Y	Y	Y
	CUSTOM	Y	Y	Y	Y
	COM10	Y	Y	Y	Y
	C5	Y	Y	Y	Y
	DL[1]	Y	Y	Y	Y
	EXECUTIVE	Y	Y	Y	Y
	ISOB5	Y	Y	Y	Y
	JISB4	ns	ns	ns	ns
	JISB5	Y	Y	Y	Y
	JISEXEC	Y	Y	Y	Y
	JPOST	ns	ns	ns	ns
	JPOSTD	ns	Y	Y	Y
	LEDGER	ns	ns	ns	ns
	LEGAL	Y	Y	Y	Y
	LETTER[1]	(Y)	(Y)	(Y)	(Y)
	MONARCH	Y	Y	Y	Y
	ROC8K	ns	ns	ns	ns
	ROC16K	Y	Y	Y	Y
	EIGHTPOINT5X13	ns	ns	ns	ns
	FOOLSCAP	ns	ns	ns	ns
PASSWORD[2]	MINIMUM	0	0	0	0
	MAXIMUM	65535	65535	65535	65535
	DEFAULT	0	0		
PERSONALITY	AUTO	(Y)	(Y)	(Y)	(Y)
	PCL	Y	Y	Y	Y
	POSTSCRIPT	Y	Y	Y	Y
	PDF	ns	ns	ns	ns
PLANESINUSE	3	(Y)	(Y)	(Y)	ns
	1	ns	ns	ns	ns
POWERSAVE	ON	(Y)	(Y)	(Y)	(Y)
	OFF	Y	Y	Y	Y
POWERSAVEMODE	ENERGYSTAR	ns	ns	ns	ns
	BLUEANGEL	ns	ns	ns	ns

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] If the product is configured for metric paper sizes, A4 is the default paper size and DL is the default envelope size.

[2] The PASSWORD variable is only supported with the DEFAULT, DINQUIRE, and INQUIRE.

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
POWERSAVETIME	1	Y	Y	Y	Y
	15	Y	Y	Y	Y
	30	(Y)	(Y)	(Y)	(Y)
	60	Y	Y	Y	Y
	90	ns	Y	Y	Y
	120	Y	Y	Y	Y
	240	Y	Y	Y	Y
PRINTONBACKSIDE	ON	ns	ns	(Y)	(Y)
	OFF	ns	ns	Y	Y
PROCESSINGBOUNDARY	MOPY	ns	ns	(Y)	(Y)
	JOB	ns	ns	Y	Y
PROCESSINGOPTION	DEFAULT	ns	""	""	""
	MAXIMUM LENGTH	ns	16	16	16
PROCESSINGTYPE	DEFAULT	ns	""	""	""
	MAXIMUM LENGTH	ns	80	16	16
QTY	MINIMUM	1	1	1	1
	MAXIMUM	999	32000	32000	32000
	DEFAULT	0	0	0	0
REPRINT	AUTO	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
	OFF	Y	Y	Y	Y
RESOLUTION	300	Y	Y	Y	Y
	600	(Y)	(Y)	(Y)	(Y)
	1200	Y	Y	Y	Y
RET	OFF	Y	Y	Y	Y
	LIGHT	Y	Y	Y	Y
	MEDIUM	(Y)	(Y)	(Y)	(Y)
	DARK	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 10. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	4100 series	4100mfp series	4200 series	4300 series
STAPLEOPTION	DEFAULT	(Y)	(Y)	(Y)	(Y)
	ONE	Y	Y	Y	Y
	TWO	Y	Y	Y	Y
	THREE	Y	Y	Y	Y
	FOUR	Y	Y	Y	Y
	FIVE	Y	Y	Y	Y
	SIX	Y	Y	Y	Y
	SEVEN	Y	Y	Y	Y
	ONEANGLED	Y	Y	Y	Y
	ONEOPPOSED	Y	Y	Y	Y
	OPTION3	Y	Y	Y	Y
	OPTION4	Y	Y	Y	Y
	OPTION5	Y	Y	Y	Y
	OPTION6	Y	Y	Y	Y
	CUSTOM	Y	Y	Y	Y
	NONE	Y	Y	Y	Y
STRINGCODESET	HPROMAN8	ns	ns	(Y)	(Y)
	JISX02011976	ns	ns	Y	Y
	ISO88592	ns	ns	Y	Y
	ISO88599	ns	ns	Y	Y
	ISO88595	ns	ns	Y	Y
	UTF8	ns	ns	Y	Y
TIMEOUT	MINIMUM	5	5	5	5
	MAXIMUM	300	300	300	300
	DEFAULT	15	15	15	15
USERNAME	MAXIMUM LENGTH	80	80	80	80
WIDEA4	NO	(Y)	(Y)	(Y)	(Y)
	YES	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
AUTOCONT[1]	OFF	Y	Y	(Y)	(Y)
	ON	(Y)	(Y)	Y	Y
BINDING	LONGEDGE	(Y)	(Y)	(Y)	(Y)
	SHORTEDGE	Y	Y	Y	Y
BITSPERPIXEL	MINIMUM	1	1	1	1
	MAXIMUM	2	2	2	2
	DEFAULT	2	2	2	2
CLEARABLEWARNINGS[1]	JOB	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
COPIES	MINIMUM	1	1	1	1
	MAXIMUM	999	999	32000	32000
	DEFAULT	1	1	32000	32000
COURIER	REGULAR	(Y)	(Y)	(Y)	(Y)
	DARK	Y	Y	Y	Y
CPLOCK[2]	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
	MINIMUM	Y	Y	Y	Y
	MODERATE	Y	Y	Y	Y
	MAXIMUM	Y	Y	Y	Y
DENSITY[1]	MINIMUM	1	1	1	1
	MAXIMUM	5	5	5	5
	DEFAULT	3	3	3	3
DISKLOCK[2]	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
DUPLEX	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
ECONOMODE	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
EDGETOEDGE	NO	(Y)	Y	(Y)	(Y)
	YES	Y	(Y)	Y	Y
FIH	OFF	(Y)	ns	ns	(Y)
	ON	Y	ns	ns	Y
	NO	ns	(Y)	ns	ns
	YES	ns	Y	ns	ns

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] When a SET or DEFAULT command is used with the AUTOCONT, CLEARABLEWARNINGS, or DENSITY variables, both the User Default and PJL Current Environment settings are modified (except for the LaserJet 4L, 5L, and 6L printers). It is recommended that these variables *not* be changed on a job-by-job basis.

[2] Can be modified only by using the DEFAULT command.

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
FINISH	NONE	(Y)	(Y)	(Y)	(Y)
	STAPLE	Y	Y	Y	Y
	ON	ns	ns	Y	Y
FINISHEROPTION	MINIMUM	0	ns	0	0
	MAXIMUM	255	ns	255	255
	DEFAULT	0	ns	0	0
FINISHERTYPE	MINIMUM	0	ns	0	0
	MAXIMUM	255	ns	255	255
	DEFAULT	0	ns	0	0
FORMLINES	MINIMUM	5	5	5	5
	MAXIMUM	128	128	128	128
	DEFAULT	60	60	60	60
HELDJOBTIMEOUT	DISABLED	(Y)	(Y)	(Y)	(Y)
	ONEHOUR	Y	Y	Y	Y
	FOURHOURS	Y	Y	Y	Y
	ONEDAY	Y	Y	Y	Y
	ONEWEEK	Y	Y	Y	Y
HITRANSFER	OFF	(Y)	ns	ns	ns
	ON	Y	ns	ns	ns
HOLD	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
	PROOF	Y	Y	Y	Y
	STORE	Y	Y	Y	Y
	DEFER	ns	Y	ns	ns
	PRINTANDDEFER	ns	Y	ns	ns
HOLDKEY	DEFAULT	ns	""	""	""
	MAXIMUM LENGTH	ns	9999	4	4
HOLDTYPE	PUBLIC	(Y)	(Y)	(Y)	(Y)
	PRIVATE	Y	Y	Y	Y
HOSTCLEANINGPAGE	OFF	ns	ns	ns	ns
	ON	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
INTRAY1SIZE	LETTER	(Y)	(Y)	(Y)	(Y)
	LEGAL	Y	Y	Y	Y
	A4	Y	Y	Y	Y
	EXECUTIVE	Y	Y	Y	Y
	LEDGER	Y	Y	Y	Y
	A3	Y	Y	Y	Y
	COM10	Y	Y	Y	Y
	MONARCH	Y	Y	Y	Y
	C5	Y	Y	Y	Y
	DL	Y	Y	Y	Y
	JISB4	Y	Y	Y	Y
	JISB5	Y	Y	Y	Y
	B5	Y	Y	Y	Y
	CUSTOM	Y	Y	Y	Y
	JPOSTD	Y	Y	Y	Y
	A5	Y	Y	Y	Y
	ROC8K	ns	Y	Y	Y
	ROC16K	ns	Y	Y	Y
	JISEXEC	ns	Y	Y	Y
	LETTERROTATED	Y	ns	Y	Y
	ANYCUSTOM	ns	ns	Y	Y
	A4ROTATED	Y	ns	Y	Y
	ISOB5	ns	ns	Y	Y
	ANY	ns	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns	ns
	JISB6	Y	ns	ns	ns
	A5ROTATED	Y	ns	ns	ns
	JISB5ROTATED	Y	ns	ns	ns
	EXECUTIVEROTATED	Y	ns	ns	ns
	JPOST	Y	ns	ns	ns
	A6	Y	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
INTRAY2SIZE	LETTER	(Y)	(Y)	(Y)	(Y)
	LEGAL	Y	Y	Y	Y
	A4	Y	Y	Y	Y
	EXECUTIVE	Y	ns	Y	Y
	LEDGER	Y	ns	Y	Y
	A3	Y	ns	Y	Y
	COM10	ns	ns	ns	ns
	MONARCH	ns	ns	ns	ns
	C5	ns	ns	ns	ns
	DL	ns	ns	ns	ns
	JISB4	Y	Y	Y	Y
	JISB5	Y	ns	Y	Y
	B5	ns	ns	ns	ns
	CUSTOM	Y	ns	Y	Y
	JPOSTD	ns	ns	ns	ns
	A5	Y	ns	Y	Y
	ROC8K	ns	ns	Y	Y
	ROC16K	ns	ns	Y	Y
	JISEXEC	ns	ns	Y	Y
	LETTERROTATED	Y	ns	Y	Y
	ANYCUSTOM	ns	ns	Y	Y
	A4ROTATED	Y	ns	Y	Y
	ISOB5	ns	ns	Y	Y
	ANY	ns	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns	ns
	A5ROTATED	Y	ns	ns	ns
	JISB5ROTATED	Y	ns	ns	ns
	EXECUTIVEROTATED	Y	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
INTRAY3SIZE	LETTER	(Y)	(Y)	(Y)	(Y)
	LEGAL	Y	Y	Y	Y
	A4	Y	Y	Y	Y
	EXECUTIVE	Y	ns	Y	Y
	LEDGER	Y	ns	Y	Y
	A3	Y	Y	Y	Y
	COM10	ns	ns	ns	ns
	MONARCH	ns	ns	ns	ns
	C5	ns	ns	ns	ns
	DL	ns	ns	ns	ns
	JISB4	Y	Y	Y	Y
	JISB5	Y	ns	Y	Y
	B5	ns	ns	ns	ns
	CUSTOM	Y	Y	Y	Y
	JPOSTD	ns	ns	ns	ns
	A5	Y	ns	Y	Y
	ROC8K	ns	ns	Y	Y
	ROC16K	ns	ns	Y	Y
	JISEXEC	ns	ns	Y	Y
	LETTERROTATED	Y	ns	Y	Y
	ANYCUSTOM	ns	ns	Y	Y
	A4ROTATED	Y	ns	Y	Y
	ISOB5	ns	ns	Y	Y
	ANY	ns	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns	ns
	11x17	ns	Y	ns	ns
	A5ROTATED	Y	ns	ns	ns
	JISB5ROTATED	Y	ns	ns	ns
	EXECUTIVEROTATED	Y	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
INTRAY4SIZE	LETTER	ns	ns	ns	ns
	LEGAL	ns	ns	ns	ns
	A4	ns	ns	ns	ns
	EXECUTIVE	ns	ns	ns	ns
	LEDGER	ns	ns	ns	ns
	A3	ns	ns	ns	ns
	COM10	ns	(Y)	ns	ns
	MONARCH	ns	Y	ns	ns
	C5	ns	Y	ns	ns
	DL	ns	Y	ns	ns
	JISB4	ns	ns	ns	ns
	JISB5	ns	ns	ns	ns
	B5	ns	Y	ns	ns
	CUSTOM	ns	ns	ns	ns
	JPOSTD	ns	Y	ns	ns
	A5	ns	ns	ns	ns
	ROC8K	ns	ns	ns	ns
	ROC16K	ns	ns	ns	ns
	JISEXEC	ns	ns	ns	ns
	LETTERROTATED	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	ns	ns
	A4ROTATED	ns	ns	ns	ns
	ISOB5	ns	ns	ns	ns
	ANY	ns	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
INTRAY5SIZE	LETTER	ns	(Y)	ns	ns
	LEGAL	ns	ns	ns	ns
	A4	ns	ns	ns	ns
	EXECUTIVE	ns	ns	ns	ns
	LEDGER	ns	ns	ns	ns
	A3	ns	ns	ns	ns
	COM10	ns	ns	ns	ns
	MONARCH	ns	ns	ns	ns
	C5	ns	ns	ns	ns
	DL	ns	ns	ns	ns
	JISB4	ns	ns	ns	ns
	JISB5	ns	ns	ns	ns
	B5	ns	ns	ns	ns
	CUSTOM	ns	ns	ns	ns
	JPOSTD	ns	ns	ns	ns
	A5	ns	ns	ns	ns
	ROC8K	ns	ns	ns	ns
	ROC16K	ns	ns	ns	ns
	JISEXEC	ns	ns	ns	ns
	LETTERROTATED	ns	ns	ns	ns
	ANYCUSTOM	ns	ns	ns	ns
	A4ROTATED	ns	ns	ns	ns
	ISOB5	ns	ns	ns	ns
	ANY	ns	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns	ns
INTRAY6SIZE	*Tray-dependent*	ns	ns	ns	ns
INTRAY7SIZE	*Tray-dependent*	ns	ns	ns	ns
INTRAY8SIZE	*Tray-dependent*	ns	ns	ns	ns
IOBUFFER	AUTO	(Y)	(Y)	ns	ns
	OFF	Y	Y	ns	ns
	ON	Y	Y	ns	ns
IOSIZE	MINIMUM	100	10	ns	ns
	MAXIMUM *memory-dependent*	100	100	ns	ns
	DEFAULT	100	10	ns	ns
JOBATTR	*"attribute string"*	ns	""	""	""
	MAXIMUM LENGTH	ns	80	80	80
JOBID	OFF	ns	(Y)	(Y)	(Y)
	ON	ns	Y	Y	Y
JOBMFQBEGIN	MINIMUM	ns	0	ns	ns
	MAXIMUM	ns	10000	ns	ns
	DEFAULT	ns	0	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
JOBMFQEND	MINIMUM	ns	0	ns	ns
	MAXIMUM	ns	10000	ns	ns
	DEFAULT	ns	0	ns	ns
JOBNAME	"*jobname string*"	""	""	""	""
	MAXIMUM LENGTH	80	80	80	80
JOBOFFSET	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
JOBSOURCE	PRINT	(Y)	(Y)[1]	ns	ns
	COPY	Y	Y	ns	ns
LANG	DANISH	Y	Y	Y	Y
	GERMAN	Y	Y	Y	Y
	ENGLISH	(Y)	(Y)	(Y)	(Y)
	SPANISH	Y	Y	Y	Y
	FRENCH	Y	Y	Y	Y
	ITALIAN	Y	Y	Y	Y
	DUTCH	Y	Y	Y	Y
	NORWEGIAN	Y	Y	Y	Y
	POLISH	Y	Y	ns	ns
	PORTUGUESE	Y	Y	Y	ns
	FINNISH	Y	Y	Y	Y
	SWEDISH	Y	Y	Y	Y
	TURKISH	Y	Y	ns	ns
	JAPANESE	Y	Y	ns	ns
	CZECH	Y	Y	ns	ns
	HUNGARIAN	Y	Y	ns	ns
	RUSSIAN	Y	Y	ns	ns
	TRADITIONALCHINESE	ns	ns	ns	ns
	SIMPLIFIEDCHINESE	ns	ns	ns	ns
	KOREAN	ns	ns	ns	ns
LANGPROMPT	OFF	ns	(Y)	ns	ns
	ON	ns	Y	ns	ns
LOWCARTRIDGE	STOP	ns	ns	ns	Y
	CONTINUE	ns	ns	ns	(Y)
LOWSUPPLIES	STOP	ns	ns	ns	ns
	CONTINUE	ns	ns	ns	ns
LOWTONER	STOP	Y	Y	ns	ns
	CONTINUE	(Y)	(Y)	ns	ns

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] The default is COPY if the job is a copy job from the scanner on the HP LaserJet 8150 series.

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
LPARM: PCL FONTNUMBER	MINIMUM	0	0	0	0
	MAXIMUM	89	999	89	89
	DEFAULT	0	0	0	0
LPARM: PCL FONTSOURCE	I	(Y)	(Y)	(Y)	(Y)
	M1	ns	Y	Y	Y
	M2	ns	Y	Y	Y
	M3	ns	Y	Y	Y
	M4	ns	Y	Y	Y
	M5	ns	ns	Y	Y
	S	ns	Y	Y	Y
LPARM: PCL PITCH	MINIMUM	0.44	0.44	0.44	0.44
	MAXIMUM	99.99	99.99	99.99	99.99
	DEFAULT	10.00	10.00	10.00	10.00
LPARM: PCL PTSIZE	MINIMUM	4.00	4.00	4.00	4.00
	MAXIMUM	999.75	999.75	999.75	999.75
	DEFAULT	12.00	12.00	12.00	12.00
LPARM: PCL SYMSET (continued on the following page)	DESKTOP	Y	Y	Y	Y
	ISO4	Y	Y	Y	Y
	ISO6	Y	Y	Y	Y
	ISO11	Y	Y	Y	Y
	ISO15	Y	Y	Y	Y
	ISO17	Y	Y	Y	Y
	ISO21	Y	Y	Y	Y
	ISO60	Y	Y	Y	Y
	ISO69	Y	Y	Y	Y
	ISOL1	Y	Y	Y	Y
	ISOL2	Y	Y	Y	Y
	ISOL5	Y	Y	Y	Y
	ISOL6	Y	Y	Y	Y
	ISOL9	ns	ns	Y	Y
	LEGAL	Y	Y	Y	Y
	MCTEXT	Y	Y	Y	Y
	PC1004	Y	Y	Y	Y
	PC775	Y	Y	Y	Y
	PC8	(Y)	(Y)	(Y)	(Y)
	PC850	Y	Y	Y	Y
	PC852	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
LPARM: PCL SYMSET (continued from the previous page)	PC858	ns	ns	Y	Y
	PC8DN	Y	Y	Y	Y
	PC8TK	Y	Y	Y	Y
	PSTEXT	Y	Y	Y	Y
	ROMAN8	Y	Y	Y	Y
	ROMAN9	ns	ns	Y	Y
	WIN30	Y	Y	Y	Y
	WIN31J	ns	Y	ns	ns
	WINBALT	Y	Y	Y	Y
	WINL1	Y	Y	Y	Y
	WINL2	Y	Y	Y	Y
	WINL5	Y	Y	Y	Y
	UCS2	ns	ns	ns	ns
LPARM: PDF OWNERPASSWORD	MINIMUM	ns	ns	ns	ns
	MAXIMUM	ns	ns	ns	ns
	DEFAULT	ns	ns	ns	ns
LPARM: PDF USERPASSWORD	MINIMUM	ns	ns	ns	ns
	MAXIMUM	ns	ns	ns	ns
	DEFAULT	ns	ns	ns	ns
LPARM: POSTSCRIPT PRTSERRS	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
LPARM: RESOURCESAVE	0	(Y)	(Y)	ns	ns
	MINIMUM	ns	Y	ns	ns
	MAXIMUM	ns	Y	ns	ns
MAINTINTERVAL	MINIMUM	0	ns	ns	ns
	MAXIMUM	999999	ns	ns	ns
	DEFAULT	150000	ns	ns	ns
MANUALDUPLEX	OFF	ns	ns	ns	ns
	ON	ns	ns	ns	ns
MANUALFEED	OFF	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
MEDIASOURCE	DEFAULT	ns	ns	ns	ns
	AUTOSELECT	ns	ns	ns	ns
	DEFAULTSOURCETRAY	ns	ns	ns	ns
	MANUALFEED	ns	ns	ns	ns
	TRAY1	ns	ns	ns	ns
	TRAY2	ns	ns	ns	ns
	TRAY3	ns	ns	ns	ns
	TRAY4	ns	ns	ns	ns
	ENVELOPE TRAY	ns	ns	ns	ns
	DUPLEXTRAY	ns	ns	ns	ns
	EXTERNALTRAY	ns	ns	ns	ns
	EXTERNALTRAY02	ns	ns	ns	ns
	EXTERNALTRAY03	ns	ns	ns	ns
	EXTERNALTRAY04	ns	ns	ns	ns
	EXTERNALTRAY05	ns	ns	ns	ns
	o	ns	ns	ns	ns
	o	ns	ns	ns	ns
	o	ns	ns	ns	ns
	EXTERNALTRAY32	ns	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
MEDIATYPE	DEFAULTMEDIATYPE	ns	ns	ns	ns
	ANY	ns	ns	ns	ns
	PLAIN	ns	ns	ns	ns
	PREPRINTED	ns	ns	ns	ns
	LETTERHEAD	ns	ns	ns	ns
	TRANSPARENCY	ns	ns	ns	ns
	PREPUNCHED	ns	ns	ns	ns
	LABELS	ns	ns	ns	ns
	BOND	ns	ns	ns	ns
	RECYCLED	ns	ns	ns	ns
	COLOR	ns	ns	ns	ns
	LIGHT	ns	ns	ns	ns
	HEAVY	ns	ns	ns	ns
	CARDSTOCK	ns	ns	ns	ns
	ROUGH	ns	ns	ns	ns
	VELLUM	ns	ns	ns	ns
	ENVELOPE	ns	ns	ns	ns
	GLOSSY	ns	ns	ns	ns
	HEAVYGLOSSY	ns	ns	ns	ns
	TOUGHPAPER	ns	ns	ns	ns
	USERTYPE1	ns	ns	ns	ns
	USERTYPE2	ns	ns	ns	ns
	USERTYPE3	ns	ns	ns	ns
	USERTYPE4	ns	ns	ns	ns
	USERTYPE5	ns	ns	ns	ns
MFQBEGIN	MINIMUM	ns	0	ns	ns
	MAXIMUM	ns	10000	ns	ns
	DEFAULT	ns	0	ns	ns
MFQEND	MINIMUM	ns	0	ns	ns
	MAXIMUM	ns	10000	ns	ns
	DEFAULT	ns	10000	ns	ns
MPTRAY	FIRST	(Y)	(Y)	(Y)	(Y)
	CASSETTE	Y	Y	Y	Y
ORIENTATION	PORTRAIT	(Y)	(Y)	(Y)	(Y)
	LANDSCAPE	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
OUTBIN	UPPER	(Y)	(Y)	(Y)	ns
	LOWER	ns	Y	Y	(Y)
	OPTIONALOUTBIN1	ns	Y	Y	Y
	OPTIONALOUTBIN2	ns	Y	Y	Y
	OPTIONALOUTBIN3	ns	Y	ns	ns
	OPTIONALOUTBIN4	ns	Y	ns	ns
	OPTIONALOUTBIN5	ns	Y	ns	ns
	OPTIONALOUTBIN6	ns	Y	ns	ns
	OPTIONALOUTBIN7	ns	Y	ns	ns
	OPTIONALOUTBIN8	ns	Y	ns	ns
	OPTIONALOUTBIN9	ns	Y	ns	ns
	OPTIONALOUTBIN10	ns	Y	ns	ns
	OPTIONALOUTBIN11	ns	Y	ns	ns
	OPTIONALOUTBIN12	ns	Y	ns	ns
	OPTIONALOUTBIN13	ns	Y	ns	ns
	OPTIONALOUTBIN14	ns	Y	ns	ns
	OPTIONALOUTBIN15	ns	Y	ns	ns
	OPTIONALOUTBIN16	ns	Y	ns	ns
OUTBINPROCESS	MINIMUM	0	0	0	0
	MAXIMUM	255	255	255	255
	DEFAULT	0	0	0	0
OUTLINEPOINTSIZE	MINIMUM	0	0	0	0
	MAXIMUM	999	999	999	999
	DEFAULT	72	72	72	72
OUTTONER	STOP	ns	ns	ns	ns
	CONTINUE	ns	ns	ns	ns
PAGEPROTECT	AUTO	(Y)	(Y)	ns	ns
	ON	Y	Y	ns	ns
	DEFAULT	ns	Y	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
PAPER (Letter, Legal, Ledger, A3, A4, Executive, JISB4, and JISB5 are paper sizes; Com10, C5, DL, Monarch, and B5 are envelope sizes; JPOST and JPOSTD are Japanese postcard sizes; CUSTOM is for feeding other sizes, such as 3 x 5 cards and labels)	A3	Y	Y	Y	Y
	A4[1]	Y	Y	Y	Y
	A4ROTATED	Y	ns	ns	ns
	A5	Y	Y	Y	Y
	A5ROTATED	Y	ns	ns	ns
	A6	Y	ns	ns	ns
	B5	Y	Y	Y	Y
	CUSTOM	Y	Y	Y	Y
	COM10	Y	Y	Y	Y
	C5	Y	Y	Y	Y
	DL[1]	Y	Y	Y	Y
	EIGHTPOINT5X13	ns	ns	Y	Y
	EXECUTIVE	Y	Y	Y	Y
	EXECUTIVEROTATED	Y	ns	ns	ns
	FOOLSCAP	ns	ns	ns	ns
	ISOB5	ns	ns	Y	Y
	JISB4	Y	Y	Y	Y
	JISB5	Y	Y	Y	Y
	A5ROTATED	Y	ns	ns	ns
	JISB6	Y	ns	ns	ns
	JISEXEC	ns	Y	Y	Y
	JPOST	Y	ns	ns	ns
	JPOSTD	Y	Y	Y	Y
	LEDGER	Y	ns	Y	Y
	LEGAL	Y	Y	Y	Y
	LETTER[1]	(Y)	(Y)	(Y)	(Y)
	LETTERROTATED	Y	ns	ns	ns
	MONARCH	Y	Y	Y	Y
	ROC8K	ns	Y	Y	Y
	ROC16K	ns	Y	Y	Y
	11x17	ns	Y	ns	ns
PAGES	MINIMUM	0	ns	ns	ns
	MAXIMUM	9999999	ns	ns	ns
	DEFAULT	172	ns	ns	ns
PASSWORD[2]	MINIMUM	0	0	0	0
	MAXIMUM	65535	65535	65535	65535
	DEFAULT	0	0	0	0

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] If configured for metric paper sizes, A4 is the default paper size and DL is the default envelope size.

[2] The PASSWORD variable is only supported with the DEFAULT, DINQUIRE, and INQUIRE.

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
PERSONALITY	AUTO	(Y)	(Y)	(Y)	(Y)
	PCL	Y	Y	Y	Y
	POSTSCRIPT	Y	Y	Y	Y
	PDF	ns	ns	ns	ns
PLANESINUSE	3	ns	ns	(Y)	(Y)
	1	ns	ns	ns	ns
POWERSAVE	ON	(Y)	(Y)	(Y)	(Y)
	OFF	Y	Y	Y	Y
POWERSAVEMODE	ENERGYSTAR	ns	ns	ns	ns
	BLUEANGEL	ns	ns	ns	ns
POWERSAVETIME	1	ns	ns	Y	Y
	15	(Y)	Y	Y	Y
	30	Y	Y	(Y)	Y
	60	Y	(Y)	Y	Y
	90	ns	ns	ns	(Y)
	120	Y	Y	Y	Y
	180	Y	Y	ns	ns
	240	ns	ns	Y	Y
PR1200SPEED	HALF	ns	Y	ns	ns
	NORMAL	ns	(Y)	ns	ns
PRINTONBACKSIDE	ON	ns	ns	ns	ns
	OFF	ns	ns	ns	ns
PROCESSINGBOUNDARY	MOPY	ns	ns	ns	(Y)
	JOB	ns	ns	ns	Y
PROCESSINGOPTION	DEFAULT	ns	ns	""	""
	MAXIMUM LENGTH	ns	ns	16	16
PROCESSINGTYPE	DEFAULT	ns	ns	""	""
	MAXIMUM LENGTH	ns	ns	80	80
QTY	MINIMUM	0	0	1	1
	MAXIMUM	999	999	32000	32000
	DEFAULT	0	0	0	0
REPRINT	AUTO	(Y)	(Y)	(Y)	(Y)
	ON	Y	Y	Y	Y
	OFF	Y	Y	Y	Y
RESOLUTION	300	Y	Y	Y	Y
	600	(Y)	(Y)	(Y)	(Y)
	1200	Y	ns	ns	ns
RESOURCESAVE	AUTO	Y	Y	ns	ns
	OFF	(Y)	(Y)	ns	ns
	ON	Y	Y	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 11. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	5100 series	8150 series	9000 series	9000mfp series
RET	OFF	Y	Y	Y	Y
	LIGHT	Y	Y	Y	Y
	MEDIUM	(Y)	(Y)	(Y)	(Y)
	DARK	Y	Y	Y	Y
STAPLEOPTION	DEFAULT	(Y)	ns	(Y)	(Y)
	ONE	Y	ns	Y	Y
	TWO	Y	ns	Y	Y
	THREE	Y	ns	Y	Y
	FOUR	Y	ns	Y	Y
	FIVE	Y	ns	Y	Y
	SIX	Y	ns	Y	Y
	SEVEN	Y	ns	Y	Y
	ONEANGLED	Y	ns	Y	Y
	ONEOPPOSED	Y	ns	Y	Y
	OPTION3	Y	ns	Y	Y
	OPTION4	Y	ns	Y	Y
	OPTION5	Y	ns	Y	Y
	OPTION6	Y	ns	Y	Y
	CUSTOM	Y	ns	Y	Y
	NONE	Y	ns	Y	Y
STRINGCODESET	HPROMAN8	ns	ns	ns	ns
	JISX02011976	ns	ns	ns	ns
	ISO88592	ns	ns	ns	ns
	ISO88599	ns	ns	ns	ns
	ISO88595	ns	ns	ns	ns
	UTF8	ns	ns	ns	ns
TIMEOUT	MINIMUM	5	5	5	5
	MAXIMUM	300	300	300	300
	DEFAULT	15	15	15	15
USERNAME	MAXIMUM LENGTH	ns	80	80	80
WIDEA4	NO	(Y)	(Y)	(Y)	(Y)
	YES	Y	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.					

Table 12. PJL environmental variables for HP LaserJet products

Environment variable	Variable values	3200mfp series	3300mfp series
AUTOCONT[1]	OFF	(Y)	(Y)
	ON	Y	Y
BINDING	LONGEDGE	ns	ns
	SHORTEDGE	ns	ns
BITSPERPIXEL	MINIMUM	1	1
	MAXIMUM	2	2
	DEFAULT	1	1
CLEARABLEWARNINGS[1]	JOB	ns	ns
	ON	ns	ns
COPIES	MINIMUM	1	1
	MAXIMUM	999	999
	DEFAULT	1	1
COURIER	REGULAR	(Y)	(Y)
	DARK	Y	Y
CPLOCK[2]	OFF	ns	ns
	ON	ns	ns
	MINIMUM	ns	ns
	MODERATE	ns	ns
	MAXIMUM	ns	ns
DENSITY[1]	MINIMUM	1	1
	MAXIMUM	5	5
	DEFAULT	3	3
DISKLOCK[2]	OFF	ns	ns
	ON	ns	ns
DUPLEX	OFF	ns	ns
	ON	ns	ns
ECONOMODE	OFF	(Y)	(Y)
	ON	Y	Y
EDGETOEDGE	NO	ns	ns
	YES	ns	ns
FIH	OFF	ns	ns
	ON	ns	ns
FINISH	NONE	ns	ns
	STAPLE	ns	ns

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] When a SET or DEFAULT command is used with the AUTOCONT, CLEARABLEWARNINGS, or DENSITY variables, both the User Default and PJL Current Environment settings are modified (except for the LaserJet 4L, 5L, and 6L printers). It is recommended these variables not be changed on a job-by-job basis.

[2] Can be modified only by using the DEFAULT command.

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
FINISHEROPTION	MINIMUM	ns	ns
	MAXIMUM	ns	ns
	DEFAULT	ns	ns
FINISHERTYPE	MINIMUM	ns	ns
	MAXIMUM	ns	ns
	DEFAULT	ns	ns
FORMLINES	MINIMUM	5	5
	MAXIMUM	128	128
	DEFAULT	60	60
HELDJOBTIMEOUT	DISABLED	ns	ns
	ONEHOUR	ns	ns
	FOURHOURS	ns	ns
	ONEDAY	ns	ns
	ONEWEEK	ns	ns
HOLD	OFF	ns	ns
	ON	ns	ns
	PROOF	ns	ns
	STORE	ns	ns
	JOB	ns	ns
HOLDKEY	DEFAULT	ns	ns
	MAXIMUM LENGTH	ns	ns
HOLDTYPE	PUBLIC	ns	ns
	PRIVATE	ns	ns
HOSTCLEANINGPAGE	OFF	ns	ns
	ON	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
INTRAY1SIZE	LETTER	ns	ns
	LEGAL	ns	ns
	A4	ns	ns
	EXECUTIVE	ns	ns
	LEDGER	ns	ns
	A3	ns	ns
	COM10	ns	ns
	MONARCH	ns	ns
	C5	ns	ns
	DL	ns	ns
	JISB4	ns	ns
	JISB5	ns	ns
	B5	ns	ns
	CUSTOM	ns	ns
	JPOSTD	ns	ns
	A5	ns	ns
	ROC8K	ns	ns
	ROC16K	ns	ns
	JISEXEC	ns	ns
	LETTERROTATED	ns	ns
	ANYCUSTOM	ns	ns
	A4ROTATED	ns	ns
	ISOB5	ns	ns
	ANY	ns	ns
	EIGHTPOINT5X13	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
INTRAY2SIZE	LETTER	ns	ns
	LEGAL	ns	ns
	A4	ns	ns
	EXECUTIVE	ns	ns
	LEDGER	ns	ns
	A3	ns	ns
	COM10	ns	ns
	MONARCH	ns	ns
	C5	ns	ns
	DL	ns	ns
	JISB4	ns	ns
	JISB5	ns	ns
	B5	ns	ns
	CUSTOM	ns	ns
	JPOSTD	ns	ns
	A5	ns	ns
	ROC8K	ns	ns
	ROC16K	ns	ns
	JISEXEC	ns	ns
	LETTERROTATED	ns	ns
	ANYCUSTOM	ns	ns
	A4ROTATED	ns	ns
	ISOB5	ns	ns
	ANY	ns	ns
	EIGHTPOINT5X13	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
INTRAY3SIZE	LETTER	ns	ns
	LEGAL	ns	ns
	A4	ns	ns
	EXECUTIVE	ns	ns
	LEDGER	ns	ns
	A3	ns	ns
	COM10	ns	ns
	MONARCH	ns	ns
	C5	ns	ns
	DL	ns	ns
	JISB4	ns	ns
	JISB5	ns	ns
	B5	ns	ns
	CUSTOM	ns	ns
	JPOSTD	ns	ns
	A5	ns	ns
	ROC8K	ns	ns
	ROC16K	ns	ns
	JISEXEC	ns	ns
	LETTERROTATED	ns	ns
	ANYCUSTOM	ns	ns
	A4ROTATED	ns	ns
	ISOB5	ns	ns
	ANY	ns	ns
	EIGHTPOINT5X13	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
INTRAY4SIZE	LETTER	ns	ns
	LEGAL	ns	ns
	A4	ns	ns
	EXECUTIVE	ns	ns
	LEDGER	ns	ns
	A3	ns	ns
	COM10	ns	ns
	MONARCH	ns	ns
	C5	ns	ns
	DL	ns	ns
	JISB4	ns	ns
	JISB5	ns	ns
	B5	ns	ns
	CUSTOM	ns	ns
	JPOSTD	ns	ns
	A5	ns	ns
	ROC8K	ns	ns
	ROC16K	ns	ns
	JISEXEC	ns	ns
	LETTERROTATED	ns	ns
	ANYCUSTOM	ns	ns
	A4ROTATED	ns	ns
	ISOB5	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
INTRAY5SIZE	LETTER	ns	ns
	LEGAL	ns	ns
	A4	ns	ns
	EXECUTIVE	ns	ns
	LEDGER	ns	ns
	A3	ns	ns
	COM10	ns	ns
	MONARCH	ns	ns
	C5	ns	ns
	DL	ns	ns
	JISB4	ns	ns
	JISB5	ns	ns
	B5	ns	ns
	CUSTOM	ns	ns
	JPOSTD	ns	ns
	A5	ns	ns
	ROC8K	ns	ns
	ROC16K	ns	ns
	JISEXEC	ns	ns
	LETTERROTATED	ns	ns
	ANYCUSTOM	ns	ns
	A4ROTATED	ns	ns
	ISOB5	ns	ns
INTRAY6SIZE	*Tray-dependent*	ns	ns
INTRAY7SIZE	*Tray-dependent*	ns	ns
INTRAY8SIZE	*Tray-dependent*	ns	ns
JOBATTR	*"attribute string"*	ns	ns
	MAXIMUM LENGTH	ns	ns
JOBID	OFF	ns	ns
	ON	ns	ns
JOBNAME	"*jobname string*"	ns	ns
	MAXIMUM LENGTH	ns	ns
JOBOFFSET	OFF	ns	ns
	ON	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
LANG	DANISH	Y	Y
	GERMAN	Y	Y
	ENGLISH	(Y)	(Y)
	SPANISH	Y	Y
	FRENCH	Y	Y
	ITALIAN	Y	Y
	DUTCH	Y	Y
	NORWEGIAN	Y	Y
	POLISH	Y	Y
	PORTUGUESE	Y	Y
	FINNISH	Y	Y
	SWEDISH	Y	Y
	TURKISH	ns	Y
	JAPANESE	ns	ns
	CZECH	ns	Y
	HUNGARIAN	Y	Y
	RUSSIAN	Y	Y
	TRADITIONALCHINESE	ns	ns
	SIMPLIFIEDCHINESE	ns	ns
	KOREAN	ns	ns
LOWCARTRIDGE	STOP	ns	ns
	CONTINUE	ns	ns
LOWSUPPLIES	STOP	ns	ns
	CONTINUE	ns	ns
LOWTONER	STOP	ns	ns
	CONTINUE	ns	ns
	OFF	ns	ns
	ON	ns	ns
LPARM: PCL FONTNUMBER	MINIMUM	0	0
	MAXIMUM	89	89
	DEFAULT	0	0
LPARM: PCL FONTSOURCE	I	(Y)	(Y)
	M1	ns	ns
	M2	ns	ns
	M3	ns	ns
	M4	ns	ns
	M5	ns	ns
	S	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
LPARM: PCL LINETERMINATION	0	(Y)	(Y)
	1	Y	Y
	2	Y	Y
	3	Y	Y
LPARM: PCL PITCH	MINIMUM	0.44	0.44
	MAXIMUM	99.99	99.99
	DEFAULT	10.00	10.00
LPARM: PCL PTSIZE	MINIMUM	4.00	4.00
	MAXIMUM	999.75	999.75
	DEFAULT	12.00	12.00
LPARM: PCL SYMSET (continued on the following page)	DESKTOP	Y	Y
	ISO4	Y	Y
	ISO6	Y	Y
	ISO11	Y	Y
	ISO15	Y	Y
	ISO17	Y	Y
	ISO21	Y	Y
	ISO60	Y	Y
	ISO69	Y	Y
	ISOL1	Y	Y
	ISOL2	Y	Y
	ISOL5	Y	Y
	ISOL6	Y	Y
	ISOL9	ns	ns
	LEGAL	Y	Y
	MCTEXT	Y	Y
	PC1004	Y	Y
	PC775	Y	Y
	PC8	(Y)	(Y)
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
LPARM: PCL SYMSET (continued from the previous page)	PC850	Y	Y
	PC852	Y	Y
	PC858	ns	ns
	PC8DN	Y	Y
	PC8TK	Y	Y
	PSTEXT	Y	Y
	ROMAN8	Y	Y
	ROMAN9	ns	ns
	WIN30	Y	Y
	WIN31J	ns	ns
	WINBALT	Y	Y
	WINL1	Y	Y
	WINL2	Y	Y
	WINL5	Y	Y
	UCS2	ns	ns
LPARM: PDF OWNERPASSWORD	MINIMUM	ns	ns
	MAXIMUM	ns	ns
	DEFAULT	ns	ns
LPARM: PDF USERPASSWORD	MINIMUM	ns	ns
	MAXIMUM	ns	ns
	DEFAULT	ns	ns
LPARM: POSTSCRIPT PRTSERRS	OFF	(Y)	(Y)
	ON	Y	Y
MANUALDUPLEX	OFF	ns	ns
	ON	ns	ns
MANUALFEED	OFF	(Y)	(Y)
	ON	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
MEDIASOURCE	DEFAULT	ns	ns
	AUTOSELECT	ns	ns
	DEFAULTSOURCETRAY	ns	ns
	MANUALFEED	ns	ns
	TRAY1	ns	ns
	TRAY2	ns	ns
	TRAY3	ns	ns
	TRAY4	ns	ns
	ENVELOPE TRAY	ns	ns
	DUPLEXTRAY	ns	ns
	EXTERNALTRAY	ns	ns
	EXTERNALTRAY02	ns	ns
	EXTERNALTRAY03	ns	ns
	EXTERNALTRAY04	ns	ns
	EXTERNALTRAY05	ns	ns
	o	ns	ns
	o	ns	ns
	o	ns	ns
	EXTERNALTRAY32	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
MEDIATYPE	DEFAULTMEDIATYPE	ns	ns
	ANY	ns	ns
	PLAIN	ns	ns
	PREPRINTED	ns	ns
	LETTERHEAD	ns	ns
	TRANSPARENCY	ns	ns
	PREPUNCHED	ns	ns
	LABELS	ns	ns
	BOND	ns	ns
	RECYCLED	ns	ns
	COLOR	ns	ns
	LIGHT	ns	ns
	HEAVY	ns	ns
	CARDSTOCK	ns	ns
	ROUGH	ns	ns
	VELLUM	ns	ns
	ENVELOPE	ns	ns
	GLOSSY	ns	ns
	HEAVYGLOSSY	ns	ns
	TOUGHPAPER	ns	ns
	USERTYPE1	ns	ns
	USERTYPE2	ns	ns
	USERTYPE3	ns	ns
	USERTYPE4	ns	ns
	USERTYPE5	ns	ns
MPTRAY	MANUAL	ns	ns
	CASSETTE	ns	ns
	FIRST	ns	ns
ORIENTATION	PORTRAIT	(Y)	(Y)
	LANDSCAPE	Y	Y
OUTBIN	UPPER	ns	ns
	LOWER	ns	ns
OUTBINPROCESS	MINIMUM	ns	ns
	MAXIMUM	ns	ns
	DEFAULT	ns	ns
OUTLINEPOINTSIZE	MINIMUM	12	12
	MAXIMUM	999	999
	DEFAULT	72	72
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
OUTTONER	STOP	ns	ns
	CONTINUE	ns	ns
PAGEPROTECT	AUTO	(Y)	(Y)
	ON	Y	Y
PAPER (Letter, Legal, Ledger, A3, A4, Executive, JISB4, and JISB5 are paper sizes; Com10, C5, DL, Monarch, and B5 are envelope sizes; JPOST and JPOSTD are Japanese postcard sizes; CUSTOM is for feeding other sizes, such as 3 x 5 cards and labels)	A3	ns	ns
	A4[1]	Y	Y
	A5	Y	Y
	B5	Y	Y
	CUSTOM	Y	Y
	COM10	Y	Y
	C5	Y	Y
	DL[1]	Y	Y
	EXECUTIVE	Y	Y
	ISOB5	Y	Y
	JISB4	ns	ns
	JISB5	Y	Y
	JISEXEC	ns	ns
	JPOST	Y	Y
	JPOSTD	Y	Y
	LEDGER	ns	ns
	LEGAL	Y	Y
	LETTER[1]	(Y)	(Y)
	MONARCH	Y	Y
	ROC8K	ns	ns
	ROC16K	Y	Y
	EIGHTPOINT5X13	ns	ns
	FOOLSCAP	Y	Y
PASSWORD[2]	MINIMUM	0	0
	MAXIMUM	65535	65535
	DEFAULT	DISABLED	DISABLED
PERSONALITY	AUTO	(Y)	(Y)
	PCL	Y	Y
	POSTSCRIPT	ns	Y
	PDF	ns	ns
PLANESINUSE	3	ns	ns
	1	ns	ns

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] If the product is configured for metric paper sizes, A4 is the default paper size and DL is the default envelope size.

[2] The PASSWORD variable is only supported with the DEFAULT, DINQUIRE, and INQUIRE.

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
POWERSAVE	ON	ns	ns
	OFF	ns	ns
POWERSAVEMODE	ENERGYSTAR	ns	ns
	BLUEANGEL	ns	ns
POWERSAVETIME	1	ns	ns
	15	ns	ns
	30	ns	ns
	60	ns	ns
	90	ns	ns
	120	ns	ns
	240	ns	ns
PRINTONBACKSIDE	ON	ns	ns
	OFF	ns	ns
PROCESSINGBOUNDARY	MOPY	ns	ns
	JOB	ns	ns
PROCESSINGOPTION	DEFAULT	ns	ns
	MAXIMUM LENGTH	ns	ns
PROCESSINGTYPE	DEFAULT	ns	ns
	MAXIMUM LENGTH	ns	ns
QTY	MINIMUM	0	0
	MAXIMUM	999	999
	DEFAULT	0	0
REPRINT	AUTO	(Y)	(Y)
	ON	Y	Y
	OFF	Y	Y
RESOLUTION	300	Y	Y
	600	Y	Y
	1200	(Y)	(Y)
RET	OFF	Y	Y
	ON	(Y)	(Y)
	LIGHT	ns	ns
	MEDIUM	ns	ns
	DARK	ns	ns
SCAN	MINIMUM	0	0
	MAXIMUM	65535	65535
	DEFAULT	0	0
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 12. PJL environmental variables for HP LaserJet products (continued)

Environment variable	Variable values	3200mfp series	3300mfp series
STAPLEOPTION	DEFAULT	ns	ns
	ONE	ns	ns
	TWO	ns	ns
	THREE	ns	ns
	FOUR	ns	ns
	FIVE	ns	ns
	SIX	ns	ns
	SEVEN	ns	ns
	ONEANGLED	ns	ns
	ONEOPPOSED	ns	ns
	OPTION3	ns	ns
	OPTION4	ns	ns
	OPTION5	ns	ns
	OPTION6	ns	ns
	CUSTOM	ns	ns
	NONE	ns	ns
STRINGCODESET	HPROMAN8	ns	ns
	JISX02011976	ns	ns
	ISO88592	ns	ns
	ISO88599	ns	ns
	ISO88595	ns	ns
	UTF8	ns	ns
TESTPAGE	?	(Y)	(Y)
	SELFTEST	Y	Y
	PCLTYPELIST	Y	Y
	CONTSELFTEST	Y	Y
	DEMOPAGE	Y	Y
	ERRORREPORT	ns	ns
	SUPPLIESSTATUSREPORT	ns	ns
	DATASTORE	ns	Y
	PSTYPEFACELIST	ns	Y
TIMEOUT	MINIMUM	5	5
	MAXIMUM	300	7200
	DEFAULT	15	15
TRAY1TEMP	LOW	ns	Y
	MEDIUM	(Y)	(Y)
	HIGH	Y	Y
	HIGH2	ns	Y
USERNAME	MAXIMUM LENGTH	ns	ns
WIDEA4	NO	(Y)	(Y)
	YES	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.			

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
AUTOCONT[1]	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
BINDING	LONGEDGE	(Y)	(Y)	(Y)
	SHORTEDGE	Y	Y	Y
BITSPERPIXEL	MINIMUM	8	8	8
	MAXIMUM	8	8	8
	DEFAULT/	8	8	8
CLEARABLEWARNINGS[1]	JOB	(Y)	(Y)	(Y)
	ON	Y	Y	Y
COPIES	MINIMUM	1	1	1
	MAXIMUM	32000	999	32000
	DEFAULT	32000	1	32000
COURIER	REGULAR	(Y)	(Y)	(Y)
	DARK	Y	Y	Y
CPLOCK[2]	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
	MINIMUM	Y	Y	Y
	MODERATE	Y	Y	Y
	MAXIMUM	Y	Y	Y
DENSITY[1]	MINIMUM	ns	ns	ns
	MAXIMUM	ns	ns	ns
	DEFAULT	ns	ns	ns
DISKLOCK[2]	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
DUPLEX	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
ECONOMODE	OFF	ns	ns	ns
	ON	ns	ns	ns
EDGETOEDGE	NO	ns	ns	ns
	YES	ns	ns	ns
FIH	OFF	ns	ns	ns
	ON	ns	ns	ns

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] When a SET or DEFAULT command is used with the AUTOCONT, CLEARABLEWARNINGS, or DENSITY variables, both the User Default and PJL Current Environment settings are modified (except for the LaserJet 4L, 5L, and 6L printers). It is recommended that these variables *not* be changed on a job-by-job basis.

[2] Can be modified only by using the DEFAULT command.

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
FINISH	NONE	(Y)	(Y)	(Y)
	STAPLE	Y	Y	Y
	ON	Y	Y	Y
FINISHEROPTION	MINIMUM	0	0	0
	MAXIMUM	255	255	255
	DEFAULT	0	0	0
FINISHERTYPE	MINIMUM	0	0	0
	MAXIMUM	255	255	255
	DEFAULT	0	0	0
FORMLINES	MINIMUM	5	5	5
	MAXIMUM	128	128	128
	DEFAULT	60	60	60
HELDJOBTIMEOUT	DISABLED	(Y)	(Y)	(Y)
	ONEHOUR	Y	Y	Y
	FOURHOURS	Y	Y	Y
	ONEDAY	Y	Y	Y
	ONEWEEK	Y	Y	Y
HOLD	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
	PROOF	Y	Y	Y
	STORE	Y	Y	Y
HOLDKEY	DEFAULT	""	""	""
	MAXIMUM LENGTH	4	4	4
HOLDTYPE	PUBLIC	(Y)	(Y)	(Y)
	PRIVATE	Y	Y	Y
HOSTCLEANINGPAGE	OFF	(Y)	ns	ns
	ON	Y	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
INTRAY1SIZE	LETTER	(Y)	(Y)	(Y)
	LEGAL	Y	Y	Y
	A4	Y	Y	Y
	EXECUTIVE	Y	Y	Y
	LEDGER	ns	ns	ns
	A3	ns	ns	ns
	COM10	Y	Y	Y
	MONARCH	Y	Y	Y
	C5	Y	Y	Y
	DL	Y	Y	Y
	JISB4	ns	ns	ns
	JISB5	Y	Y	Y
	B5	Y	Y	Y
	CUSTOM	Y	Y	Y
	JPOSTD	Y	ns	Y
	A5	Y	Y	Y
	ROC8K	ns	ns	ns
	ROC16K	Y	Y	Y
	JISEXEC	Y	Y	Y
	LETTERROTATED	ns	ns	ns
	ANYCUSTOM	Y	ns	Y
	A4ROTATED	ns	ns	ns
	ISOB5	ns	Y	ns
	ANY	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
INTRAY2SIZE	LETTER	(Y)	(Y)	(Y)
	LEGAL	Y	Y	Y
	A4	Y	Y	Y
	EXECUTIVE	Y	Y	Y
	LEDGER	ns	ns	ns
	A3	ns	ns	ns
	COM10	ns	ns	ns
	MONARCH	ns	ns	ns
	C5	ns	ns	ns
	DL	ns	ns	ns
	JISB4	ns	ns	ns
	JISB5	Y	Y	Y
	B5	ns	ns	ns
	CUSTOM	ns	ns	Y
	JPOSTD	ns	ns	ns
	A5	Y	Y	Y
	ROC8K	ns	ns	ns
	R0C16K	ns	ns	Y
	JISEXEC	Y	ns	Y
	LETTERROTATED	ns	ns	ns
	ANYCUSTOM	ns	ns	Y
	A4ROTATED	ns	ns	ns
	ISOB5	Y	Y	ns
	ANY	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
INTRAY3SIZE	LETTER	(Y)	(Y)	(Y)
	LEGAL	ns	Y	Y
	A4	Y	Y	Y
	EXECUTIVE	ns	Y	Y
	LEDGER	ns	ns	ns
	A3	ns	ns	ns
	COM10	ns	ns	ns
	MONARCH	ns	ns	ns
	C5	ns	ns	ns
	DL	ns	ns	ns
	JISB4	ns	ns	ns
	JISB5	ns	Y	Y
	B5	ns	ns	ns
	CUSTOM	ns	ns	Y
	JPOSTD	ns	ns	ns
	A5	ns	Y	Y
	ROC8K	ns	ns	ns
	ROC16K	ns	ns	Y
	JISEXEC	ns	ns	Y
	LETTERROTATED	ns	ns	ns
	ANYCUSTOM	ns	ns	Y
	A4ROTATED	ns	ns	ns
	ISOB5	ns	Y	ns
	ANY	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
INTRAY4SIZE	LETTER	ns	ns	ns
	LEGAL	ns	ns	ns
	A4	ns	ns	ns
	EXECUTIVE	ns	ns	ns
	LEDGER	ns	ns	ns
	A3	ns	ns	ns
	COM10	ns	ns	ns
	MONARCH	ns	ns	ns
	C5	ns	ns	ns
	DL	ns	ns	ns
	JISB4	ns	ns	ns
	JISB5	ns	ns	ns
	B5	ns	ns	ns
	CUSTOM	ns	ns	ns
	JPOSTD	ns	ns	ns
	A5	ns	ns	ns
	ROC8K	ns	ns	ns
	ROC16K	ns	ns	ns
	JISEXEC	ns	ns	ns
	LETTERROTATED	ns	ns	ns
	ANYCUSTOM	ns	ns	ns
	A4ROTATED	ns	ns	ns
	ISOB5	ns	ns	ns
	ANY	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
INTRAY5SIZE	LETTER	ns	ns	ns
	LEGAL	ns	ns	ns
	A4	ns	ns	ns
	EXECUTIVE	ns	ns	ns
	LEDGER	ns	ns	ns
	A3	ns	ns	ns
	COM10	ns	ns	ns
	MONARCH	ns	ns	ns
	C5	ns	ns	ns
	DL	ns	ns	ns
	JISB4	ns	ns	ns
	JISB5	ns	ns	ns
	B5	ns	ns	ns
	CUSTOM	ns	ns	ns
	JPOSTD	ns	ns	ns
	A5	ns	ns	ns
	ROC8K	ns	ns	ns
	ROC16K	ns	ns	ns
	JISEXEC	ns	ns	ns
	LETTERR0TATED	ns	ns	ns
	ANTCUSTOM	ns	ns	ns
	A4ROTATED	ns	ns	ns
	ISOB5	ns	ns	ns
INTRAY6SIZE	*Tray-dependent*	ns	ns	ns
INTRAY7SIZE	*Tray-dependent*	ns	ns	ns
INTRAY8SIZE	*Tray-dependent*	ns	ns	ns
JOBATTR	*"attribute string"*	""	""	""
	MAXIMUM LENGTH	80	80	80
JOBID	OFF	Y	Y	Y
	ON	(Y)	(Y)	(Y)
JOBNAME	"*jobname string*"	""	""	""
	MAXIMUM LENGTH	80	80	80
JOBOFFSET	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
LANG	ENGLISH	(Y)	(Y)	(Y)
	FRENCH	Y	Y	Y
	GERMAN	Y	Y	Y
	ITALIAN	Y	Y	Y
	SPANISH	Y	Y	Y
	SWEDISH	Y	Y	Y
	DANISH	Y	Y	Y
	NORWEGIAN	Y	Y	Y
	DUTCH	Y	Y	Y
	FINNISH	Y	Y	Y
	PORTUGUESE	Y	Y	Y
	TURKISH	Y	Y	Y
	POLISH	Y	Y	Y
	JAPANESE	Y	Y	Y
	RUSSIAN	Y	Y	Y
	CZECH	Y	Y	Y
	HUNGARIAN	Y	Y	Y
	TRADITIONALCHINESE	ns	ns	Y
	SIMPLIFIEDCHINESE	ns	ns	Y
	KOREAN	ns	ns	Y
LOWCARTRIDGE	STOP	ns	ns	ns
	CONTINUE	ns	ns	ns
LOWSUPPLIES	STOP	ns	Y	Y
	CONTINUE	ns	(Y)	(Y)
LOWTONER	STOP	ns	ns	ns
	CONTINUE	ns	ns	ns
LPARM: PCL FONTNUMBER	MINIMUM	0	0	0
	MAXIMUM	89	89	89
	DEFAULT	0	0	0
LPARM: PCL FONTSOURCE	I	(Y)	(Y)	(Y)
	M1	Y	Y	Y
	M2	Y	Y	Y
	M3	Y	Y	Y
	M4	Y	Y	Y
	M5	Y	Y	Y
	S	Y	Y	Y
LPARM: PCL PITCH	MINIMUM	0.44	0.44	0.44
	MAXIMUM	99.99	99.99	99.99
	DEFAULT	0.44	0.44	0.44
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
LPARM: PCL PTSIZE	MINIMUM	4.00	4.00	4.00
	MAXIMUM	999.75	999.75	999.75
	DEFAULT	12.00	12.00	12.00
LPARM: PCL SYMSET	DESKTOP	Y	Y	Y
	ISO11	Y	Y	Y
	ISO15	Y	Y	Y
	ISO17	Y	Y	Y
	ISO21	Y	Y	Y
	ISO4	Y	Y	Y
	ISO6	Y	Y	Y
	ISO60	Y	Y	Y
	ISO69	Y	Y	Y
	ISOL1	Y	Y	Y
	ISOL2	Y	Y	Y
	ISOL5	Y	Y	Y
	ISOL6	Y	Y	Y
	ISOL9	Y	Y	Y
	LEGAL	Y	Y	Y
	MCTEXT	Y	Y	Y
	PC1004	Y	Y	Y
	PC775	Y	Y	Y
	PC8	(Y)	(Y)	(Y)
	PC850	Y	Y	Y
	PC852	Y	Y	Y
	PC858	Y	Y	Y
	PC8DN	Y	Y	Y
	PC8TK	Y	Y	Y
	PSTEXT	Y	Y	Y
	ROMAN8	Y	Y	Y
	ROMAN9	Y	Y	Y
	WIN30	Y	Y	Y
	WIN31J	ns	ns	ns
	WINBALT	Y	Y	Y
	WINL1	Y	Y	Y
	WINL2	Y	Y	Y
	WINL5	Y	Y	Y
	UCSC2	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
LPARM: PDF OWNERPASSWORD	MINIMUM	ns	ns	ns
	MAXIMUM	ns	ns	ns
	DEFAULT	ns	ns	ns
LPARM: PDF USERPASSWORD	MINIMUM	ns	ns	ns
	MAXIMUM	ns	ns	ns
	DEFAULT	ns	ns	ns
LPARM: POSTSCRIPT PRTSERRS	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
MANUALDUPLEX	OFF	(Y)	ns	(Y)
	ON	Y	ns	Y
MANUALFEED	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
MEDIASOURCE	DEFAULT	ns	ns	ns
	AUTOSELECT	ns	ns	ns
	DEFAULTSOURCETRAY	ns	ns	ns
	MANUALFEED	ns	ns	ns
	TRAY1	ns	ns	ns
	TRAY2	ns	ns	ns
	TRAY3	ns	ns	ns
	TRAY4	ns	ns	ns
	ENVELOPE TRAY	ns	ns	ns
	DUPLEXTRAY	ns	ns	ns
	EXTERNALTRAY	ns	ns	ns
	EXTERNALTRAY02	ns	ns	ns
	EXTERNALTRAY03	ns	ns	ns
	EXTERNALTRAY04	ns	ns	ns
	EXTERNALTRAY05	ns	ns	ns
	o	ns	ns	ns
	o	ns	ns	ns
	o	ns	ns	ns
	EXTERNALTRAY32	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
MEDIATYPE	DEFAULTMEDIATYPE	ns	ns	ns
	ANY	ns	ns	ns
	PLAIN	ns	ns	ns
	PREPRINTED	ns	ns	ns
	LETTERHEAD	ns	ns	ns
	TRANSPARENCY	ns	ns	ns
	PREPUNCHED	ns	ns	ns
	LABELS	ns	ns	ns
	BOND	ns	ns	ns
	RECYCLED	ns	ns	ns
	COLOR	ns	ns	ns
	LIGHT	ns	ns	ns
	HEAVY	ns	ns	ns
	CARDSTOCK	ns	ns	ns
	ROUGH	ns	ns	ns
	VELLUM	ns	ns	ns
	ENVELOPE	ns	ns	ns
	GLOSSY	ns	ns	ns
	HEAVYGLOSSY	ns	ns	ns
	TOUGHPAPER	ns	ns	ns
	USERTYPE1	ns	ns	ns
	USERTYPE2	ns	ns	ns
	USERTYPE3	ns	ns	ns
	USERTYPE4	ns	ns	ns
	USERTYPE5	ns	ns	ns
MPTRAY	FIRST	ns	(Y)	ns
	CASSETTE	ns	Y	ns
ORIENTATION	PORTRAIT	(Y)	(Y)	(Y)
	LANDSCAPE	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
OUTBIN	UPPER	(Y)	(Y)	(Y)
	LOWER	ns	ns	ns
	OPTIONALOUTBIN1	ns	ns	ns
	OPTIONALOUTBIN2	ns	ns	ns
	OPTIONALOUTBIN3	ns	ns	ns
	OPTIONALOUTBIN4	ns	ns	ns
	OPTIONALOUTBIN5	ns	ns	ns
	OPTIONALOUTBIN6	ns	ns	ns
	OPTIONALOUTBIN7	ns	ns	ns
	OPTIONALOUTBIN8	ns	ns	ns
	OPTIONALOUTBIN9	ns	ns	ns
	OPTIONALOUTBIN10	ns	ns	ns
	OPTIONALOUTBIN11	ns	ns	ns
	OPTIONALOUTBIN12	ns	ns	ns
	OPTIONALOUTBIN13	ns	ns	ns
	OPTIONALOUTBIN14	ns	ns	ns
	OPTIONALOUTBIN15	ns	ns	ns
	OPTIONALOUTBIN16	ns	ns	ns
OUTBINPROCESS	MINIMUM	0	0	0
	MAXIMUM	255	255	255
	DEFAULT	0	0	0
OUTLINEPOINTSIZE	MINIMUM	0	0	0
	MAXIMUM	999	999	999
	DEFAULT	72	72	72
OUTTONER	STOP	ns	ns	ns
	CONTINUE	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
PAPER (Letter, Legal, Ledger, A3, A4, Executive, JISB4, and JISB5 are paper sizes; Com10, C5, DL, Monarch, and B5 are envelope sizes; JPOST and JPOSTD are Japanese postcard sizes; CUSTOM is for feeding other sizes, such as 3 x 5 cards and labels)	A3	ns	Y	ns
	A4[1]	Y	Y	Y
	A5	Y	Y	Y
	B5	Y	Y	Y
	CUSTOM	Y	Y	Y
	COM10	Y	Y	Y
	C5	Y	Y	Y
	DL[1]	Y	Y	Y
	EXECUTIVE	Y	Y	Y
	ISOB5	Y	Y	ns
	JISB4	ns	ns	ns
	JISB5	Y	Y	Y
	JISEXEC	Y	Y	Y
	JPOST	Y	ns	ns
	JPOSTD	Y	ns	Y
	LEDGER	ns	ns	ns
	LEGAL	Y	Y	Y
	LETTER[1]	(Y)	(Y)	(Y)
	MONARCH	Y	Y	Y
	ROC8K	ns	ns	ns
	ROC16K	Y	Y	Y
	EIGHTPOINT5X13	ns	ns	ns
	FOOLSCAP	ns	ns	ns
PASSWORD[2]	MINIMUM	0	0	0
	MAXIMUM	65535	65535	65535
	DEFAULT	0	0	0
PERSONALITY	AUTO	(Y)	(Y)	(Y)
	PCL	Y	Y	Y
	POSTSCRIPT	Y	Y	Y
	PDF	ns	ns	ns
PLANESINUSE	1	(Y)	(Y)	(Y)
	3	Y	Y	Y
POWERSAVE	ON	(Y)	(Y)	(Y)
	OFF	Y	Y	Y
POWERSAVEMODE	ENERGYSTAR	ns	ns	ns
	BLUEANGEL	ns	ns	ns

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] If the product is configured for metric paper sizes, A4 is the default paper size and DL is the default envelope size.

[2] The PASSWORD variable is supported only with DEFAULT, DINQUIRE, and INQUIRE.

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
POWERSAVETIME	1	Y	Y	Y
	15	Y	Y	Y
	30	(Y)	(Y)	(Y)
	60	Y	Y	Y
	90	Y	ns	Y
	120	Y	Y	Y
	240	Y	Y	Y
PRINTONBACKSIDE	ON	(Y)	ns	(Y)
	OFF	Y	ns	Y
PROCESSINGBOUNDARY	MOPY	(Y)	ns	(Y)
	JOB	Y	ns	Y
PROCESSINGOPTION	DEFAULT	""	ns	""
	MAXIMUM LENGTH	16	ns	16
PROCESSINGTYPE	DEFAULT	""	ns	""
	MAXIMUM LENGTH	80	ns	80
QTY	MINIMUM	1	1	1
	MAXIMUM	32000	999	32000
	DEFAULT	0	0	0
REPRINT	ON	Y	Y	Y
	OFF	Y	Y	Y
	AUTO	(Y)	(Y)	(Y)
RESOLUTION	300	ns	ns	ns
	600	(Y)	(Y)	(Y)
	1200	ns	ns	ns
RET	OFF	ns	ns	ns
	LIGHT	ns	ns	ns
	MEDIUM	ns	ns	ns
	DARK	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 13. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	2500 series	4550 series	4600 series
STAPLEOPTION	DEFAULT	(Y)	(Y)	(Y)
	ONE	Y	Y	Y
	TWO	Y	Y	Y
	THREE	Y	Y	Y
	FOUR	Y	Y	Y
	FIVE	Y	Y	Y
	SIX	Y	Y	Y
	SEVEN	Y	Y	Y
	ONEANGLED	Y	Y	Y
	ONEOPPOSED	Y	Y	Y
	OPTION3	Y	Y	Y
	OPTION4	Y	Y	Y
	OPTION5	Y	Y	Y
	OPTION6	Y	Y	Y
	CUSTOM	Y	Y	Y
	NONE	Y	Y	Y
STRINGCODESET	HPROMAN8	(Y)	ns	(Y)
	JISX02011976	Y	ns	Y
	ISO88592	Y	ns	Y
	ISO88599	Y	ns	Y
	ISO88595	Y	ns	Y
	UTF8	Y	ns	Y
TIMEOUT	MINIMUM	5	5	5
	MAXIMUM	300	300	300
	DEFAULT	15	15	15
USERNAME	MAXIMUM LENGTH	80	80	80
WIDEA4	NO	(Y)	(Y)	(Y)
	YES	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
AUTOCONT[1]	OFF	(Y)	Y	Y
	ON	Y	(Y)	(Y)
BINDING	LONGEDGE	(Y)	(Y)	(Y)
	SHORTEDGE	Y	Y	Y
BITSPERPIXEL	MINIMUM	ns	ns	ns
	MAXIMUM	ns	ns	ns
	DEFAULT	ns	ns	ns
CLEARABLEWARNINGS[1]	JOB	(Y)	Y	Y
	ON	Y	(Y)	(Y)
COPIES	MINIMUM	1	1	1
	MAXIMUM	32000	999	999
	DEFAULT	32000	1	1
COURIER	REGULAR	(Y)	(Y)	(Y)
	DARK	Y	Y	Y
CPLOCK[2]	OFF	(Y)	(Y)	(Y)
	MINIMUM	Y	ns	ns
	MODERATE	Y	ns	ns
	MAXIMUM	Y	ns	ns
	OFF	Y	Y	Y
DENSITY[1]	MINIMUM	ns	1	1
	MAXIMUM	ns	5	5
	DEFAULT	ns	3	3
DISKLOCK[2]	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
DUPLEX	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
ECONOMODE	OFF	ns	ns	ns
	ON	ns	ns	ns
EDGETOEDGE	NO	ns	ns	ns
	YES	ns	ns	ns
FIH	OFF	ns	ns	ns
	ON	ns	ns	ns
FINISH	NONE	(Y)	Y	Y
	STAPLE	Y	(Y)	(Y)
	ON	Y	Y	Y

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] When a SET or DEFAULT command is used with the AUTOCONT, CLEARABLEWARNINGS, or DENSITY variables, both the User Default and PJL Current Environment settings are modified (except for the LaserJet 4L, 5L, and 6L printers). It is recommended that these variables *not* be changed on a job-by-job basis.

[2] Can be modified only by using the DEFAULT command.

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
FINISHEROPTION	MINIMUM	0	0	0
	MAXIMUM	255	255	255
	DEFAULT	0	0	0
FINISHERTYPE	MINIMUM	0	0	0
	MAXIMUM	255	255	255
	DEFAULT	0	0	0
FORMLINES	MINIMUM	5	5	5
	MAXIMUM	128	128	128
	DEFAULT	60	60	60
HELDJOBTIMEOUT	DISABLED	(Y)	(Y)	(Y)
	ONEHOUR	Y	Y	Y
	FOURHOURS	Y	Y	Y
	ONEDAY	Y	Y	Y
	ONEWEEK	Y	Y	Y
HOLD	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
	PROOF	Y	Y	Y
	STORE	Y	Y	Y
HOLDKEY	DEFAULT	""	ns	ns
	MAXIMUM LENGTH	4	ns	ns
HOLDTYPE	PUBLIC	(Y)	(Y)	(Y)
	PRIVATE	Y	Y	Y
HOSTCLEANINGPAGE	OFF	ns	ns	ns
	ON	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
INTRAY1SIZE	LETTER	(Y)	Y	Y
	LEGAL	Y	Y	Y
	A4	Y	Y	Y
	EXECUTIVE	Y	Y	Y
	LEDGER	Y	Y	Y
	A3	Y	Y	Y
	COM10	Y	Y	Y
	MONARCH	Y	Y	Y
	C5	Y	Y	Y
	DL	Y	Y	Y
	JISB4	Y	Y	Y
	JISB5	Y	Y	Y
	B5	Y	Y	Y
	CUSTOM	Y	Y	Y
	JPOSTD	Y	Y	Y
	A5	Y	Y	Y
	ROC8K	Y	Y	Y
	ROC16K	Y	Y	Y
	JISEXEC	Y	Y	Y
	LETTERROTATED	Y	ns	ns
	ANYCUSTOM	Y	ns	ns
	A4ROTATED	Y	ns	ns
	ISOB5	Y	ns	ns
	ANY	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns
	AUTO	ns	(Y)	(Y)
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
INTRAY2SIZE	LETTER	(Y)	(Y)	(Y)
	LEGAL	Y	Y	Y
	A4	Y	Y	Y
	EXECUTIVE	Y	ns	ns
	LEDGER	Y	ns	ns
	A3	Y	ns	ns
	COM10	ns	ns	ns
	MONARCH	ns	ns	ns
	C5	ns	ns	ns
	DL	ns	ns	ns
	JISB4	Y	Y	Y
	JISB5	Y	ns	ns
	B5	ns	ns	ns
	CUSTOM	Y	ns	ns
	JPOSTD	ns	ns	ns
	A5	Y	ns	ns
	ROC8K	ns	ns	ns
	ROC16K	ns	ns	ns
	JISEXEC	ns	ns	ns
	LETTERROTATED	ns	ns	ns
	ANYCUSTOM	Y	ns	ns
	A4ROTATED	Y	ns	ns
	ISOB5	ns	ns	ns
	ANY	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
INTRAY3SIZE	LETTER	(Y)	(Y)	(Y)
	LEGAL	Y	Y	Y
	A4	Y	Y	Y
	EXECUTIVE	Y	ns	ns
	LEDGER	Y	Y	Y
	A3	Y	Y	Y
	COM10	ns	ns	ns
	MONARCH	ns	ns	ns
	C5	ns	ns	ns
	DL	ns	ns	ns
	JISB4	Y	Y	Y
	JISB5	Y	ns	ns
	B5	ns	ns	ns
	CUSTOM	Y	ns	ns
	JPOSTD	ns	ns	ns
	A5	Y	ns	ns
	ROC8K	ns	ns	ns
	ROC16K	ns	ns	ns
	JISEXEC	ns	ns	ns
	LETTERROTATED	ns	ns	ns
	ANYCUSTOM	Y	ns	ns
	A4ROTATED	Y	ns	ns
	ISOB5	ns	ns	ns
	ANY	ns	ns	ns
	EIGHTPOINT5X13	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
INTRAY4SIZE	LETTER	ns	(Y)	(Y)
	LEGAL	ns	Y	Y
	A4	ns	Y	Y
	EXECUTIVE	ns	ns	ns
	LEDGER	ns	Y	Y
	A3	ns	Y	Y
	COM10	ns	ns	ns
	MONARCH	ns	ns	ns
	C5	ns	ns	ns
	DL	ns	ns	ns
	JISB4	ns	Y	Y
	JISB5	ns	ns	ns
	B5	ns	ns	ns
	CUSTOM	ns	ns	ns
	JPOSTD	ns	ns	ns
	A5	ns	ns	ns
	ROC8K	ns	ns	ns
	ROC16K	ns	ns	ns
	JISEXEC	ns	ns	ns
	LETTERROTATED	ns	ns	ns
	ANYCUSTOM	ns	ns	ns
	A4ROTATED	ns	ns	ns
	ISOB5	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
INTRAY5SIZE	LETTER	ns	ns	ns
	LEGAL	ns	ns	ns
	A4	ns	ns	ns
	EXECUTIVE	ns	ns	ns
	LEDGER	ns	ns	ns
	A3	ns	ns	ns
	COM10	ns	ns	ns
	MONARCH	ns	ns	ns
	C5	ns	ns	ns
	DL	ns	ns	ns
	JISB4	ns	ns	ns
	JISB5	ns	ns	ns
	B5	ns	ns	ns
	CUSTOM	ns	ns	ns
	JPOSTD	ns	ns	ns
	A5	ns	ns	ns
	ROC8K	ns	ns	ns
	ROC16K	ns	ns	ns
	JISEXEC	ns	ns	ns
	LETTERROTATED	ns	ns	ns
	ANYCUSTOM	ns	ns	ns
	A4ROTATED	ns	ns	ns
	ISOB5	ns	ns	ns
INTRAY6SIZE	*Tray-dependent*	ns	ns	ns
INTRAY7SIZE	*Tray-dependent*	ns	ns	ns
INTRAY8SIZE	*Tray-dependent*	ns	ns	ns
JOBATTR	*"attribute string"*	""	""	""
	MAXIMUM LENGTH	80	80	80
JOBID	OFF	(Y)	ns	ns
	ON	Y	ns	ns
JOBNAME	"*jobname string*"	""	""	""
	MAXIMUM LENGTH	80	80	80
JOBOFFSET	OFF	(Y)	ns	ns
	ON	Y	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
LANG	ENGLISH	(Y)	(Y)	(Y)
	FRENCH	Y	Y	Y
	GERMAN	Y	Y	Y
	ITALIAN	Y	Y	Y
	SPANISH	Y	Y	Y
	SWEDISH	Y	Y	Y
	DANISH	Y	Y	Y
	NORWEGIAN	Y	Y	Y
	DUTCH	Y	Y	Y
	FINNISH	Y	Y	Y
	PORTUGUESE	Y	Y	Y
	TURKISH	Y	Y	Y
	POLISH	Y	Y	Y
	JAPANESE	Y	ns	ns
	RUSSIAN	Y	Y	Y
	CZECH	Y	Y	Y
	HUNGARIAN	Y	Y	Y
	TRADITIONALCHINESE	Y	ns	ns
	SIMPLIFIEDCHINESE	Y	ns	ns
	KOREAN	Y	ns	ns
LOWCARTRIDGE	STOP	ns	ns	ns
	CONTINUE	ns	ns	ns
LOWSUPPLIES	STOP	(Y)	ns	ns
	CONTINUE	Y	ns	ns
LOWTONER	STOP	ns	Y	Y
	CONTINUE	ns	(Y)	(Y)
LPARM: PCL FONTNUMBER	MINIMUM	0	0	0
	MAXIMUM	89	47	47
	DEFAULT	0	0	0
LPARM: PCL FONTSOURCE	I	(Y)	(Y)	(Y)
	M1	Y	Y	Y
	M2	Y	Y	Y
	M3	Y	Y	Y
	M4	Y	Y	Y
	M5	Y	Y	Y
	M6	ns	Y	Y
	M7	ns	Y	Y
	M8	ns	Y	Y
	S	Y	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
LPARM: PCL PITCH	MINIMUM	0.44	0.44	0.44
	MAXIMUM	99.99	99.99	99.99
	DEFAULT	10.00	10.00	10.00
LPARM: PCL PTSIZE	MINIMUM	4.00	4.00	4.00
	MAXIMUM	999.75	999.75	999.75
	DEFAULT	12.00	12.00	12.00
LPARM: PCL SYMSET (continued on the following page)	DESKTOP	Y	Y	Y
	ISO11	Y	Y	Y
	ISO15	Y	Y	Y
	ISO17	Y	Y	Y
	ISO21	Y	Y	Y
	ISO4	Y	Y	Y
	ISO6	Y	Y	Y
	ISO60	Y	Y	Y
	ISO69	Y	Y	Y
	ISOL1	Y	Y	Y
	ISOL2	Y	Y	Y
	ISOL5	Y	Y	Y
	ISOL6	Y	Y	Y
	ISOL9	Y	ns	ns
	LEGAL	Y	Y	Y
	MCTEXT	Y	Y	Y
	PC1004	Y	Y	Y
	PC775	Y	Y	Y
	PC8	(Y)	(Y)	(Y)
	PC850	Y	Y	Y
	PC852	Y	Y	Y
	PC858	Y	ns	ns
	PC8DN	Y	Y	Y
	PC8TK	Y	Y	Y
	PSTEXT	Y	Y	Y
	ROMAN8	Y	Y	Y
	ROMAN9	Y	ns	ns
	WIN30	Y	Y	Y
	WIN31J	ns	ns	ns
	WINBALT	Y	Y	Y
	WINL1	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
LPARM: PCL SYMSET (continued from the previous page)	WINL2	Y	Y	Y
	WINL5	Y	Y	Y
	VCSC2	ns	ns	ns
LPARM: PDF OWNERPASSWORD	MINIMUM	ns	ns	ns
	MAXIMUM	ns	ns	ns
	DEFAULT	ns	ns	ns
LPARM: PDF USERPASSWORD	MINIMUM	ns	ns	ns
	MAXIMUM	ns	ns	ns
	DEFAULT	ns	ns	ns
LPARM: POSTSCRIPT JAMRECOVERY	OFF	ns	Y	Y
	ON	ns	(Y)	(Y)
LPARM: POSTSCRIPT PRTSERRS	OFF	(Y)	Y	Y
	ON	Y	(Y)	(Y)
MANUALDUPLEX	OFF	(Y)	ns	ns
	ON	Y	ns	ns
MANUALFEED	OFF	(Y)	(Y)	(Y)
	ON	Y	Y	Y
MEDIASOURCE	DEFAULT	Y	ns	ns
	AUTOSELECT	Y	ns	ns
	DEFAULTSOURCETRAY	Y	ns	ns
	MANUALFEED	Y	ns	ns
	TRAY1	Y	ns	ns
	TRAY2	Y	ns	ns
	TRAY3	Y	ns	ns
	TRAY4	Y	ns	ns
	ENVELOPETRAY	Y	ns	ns
	DUPLEXTRAY	ns	ns	ns
	EXTERNALTRAY	ns	ns	ns
	EXTERNALTRAY-2	ns	ns	ns
	EXTERNALTRAY03	ns	ns	ns
	EXTERNALTRAY04	ns	ns	ns
	EXTERNALTRAY05	ns	ns	ns
	o	ns	ns	ns
	o	ns	ns	ns
	o	ns	ns	ns
	EXTERNALTRAY32	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
MEDIATYPE	DEFAULTMEDIATYPE	Y	ns	ns
	ANY	ns	ns	ns
	PLAIN	Y	ns	ns
	PREPRINTED	Y	Y	Y
	LETTERHEAD	Y	Y	Y
	TRANSPARENCY	Y	Y	Y
	PREPUNCHED	Y	Y	Y
	LABELS	Y	Y	Y
	BOND	Y	Y	Y
	RECYCLED	Y	Y	Y
	COLOR	Y	Y	Y
	LIGHT	Y	ns	ns
	HEAVY	Y	Y	Y
	CARDSTOCK	Y	Y	Y
	ROUGH	ns	ns	ns
	VELLUM	ns	ns	ns
	ENVELOPE	Y	Y	Y
	GLOSSY	Y	Y	Y
	HEAVYGLOSSY	Y	ns	ns
	TOUGHPAPER	Y	ns	ns
	USERTYPE1	Y	ns	ns
	USERTYPE2	Y	ns	ns
	USERTYPE3	Y	ns	ns
	USERTYPE4	Y	ns	ns
	USERTYPE 5	Y	ns	ns
	PAPER	ns	(Y)	(Y)
	TYPE28LB1	ns	Y	Y
	TYPE28LB2	ns	Y	Y
MPTRAY	FIRST	ns	(Y)	(Y)
	CASSETTE	ns	Y	Y
ORIENTATION	PORTRAIT	(Y)	(Y)	(Y)
	LANDSCAPE	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
OUTBIN	UPPER	(Y)	(Y)	(Y)
	LOWER	ns	Y	Y
	OPTIONALOUTBIN1	ns	Y	Y
	OPTIONALOUTBIN2	ns	Y	Y
	OPTIONALOUTBIN3	ns	Y	Y
	OPTIONALOUTBIN4	ns	Y	Y
	OPTIONALOUTBIN5	ns	Y	Y
	OPTIONALOUTBIN6	ns	Y	Y
	OPTIONALOUTBIN7	ns	Y	Y
	OPTIONALOUTBIN8	ns	Y	Y
	OPTIONALOUTBIN9	ns	Y	Y
OUTBINPROCESS	MINIMUM	0	0	0
	MAXIMUM	255	255	255
	DEFAULT	0	0	0
OUTLINEPOINTSIZE	MINIMUM	0	ns	ns
	MAXIMUM	999	ns	ns
	DEFAULT	72	ns	ns
OUTTONER	STOP	ns	ns	ns
	CONTINUE	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
PAPER (Letter, Legal, Ledger, A3, A4, Executive, JISB4, and JISB5 are paper sizes; Com10, C5, DL, Monarch, and B5 are envelope sizes; JPOST and JPOSTD are Japanese postcard sizes; CUSTOM is for feeding other sizes, such as 3 x 5 cards and labels)	A3	Y	Y	Y
	A4[1]	Y	Y	Y
	A5	Y	Y	Y
	B5	Y	Y	Y
	CUSTOM	Y	Y	Y
	COM10	Y	Y	Y
	C5	Y	Y	Y
	DL[1]	Y	Y	Y
	EXECUTIVE	Y	Y	Y
	ISOB5	Y	ns	ns
	JISB4	Y	Y	Y
	JISB5	Y	Y	Y
	JISEXEC	Y	Y	Y
	JPOST	ns	ns	ns
	JPOSTD	Y	Y	Y
	LEDGER	Y	Y	Y
	LEGAL	Y	Y	Y
	LETTER[1]	(Y)	(Y)	(Y)
	MONARCH	Y	Y	Y
	ROC8K	Y	Y	Y
	ROC16K	Y	Y	Y
	EIGHTPOINT5X13	ns	ns	ns
	FOOLSCAP	ns	ns	ns
PASSWORD[2]	MINIMUM	0	0	0
	MAXIMUM	65535	65535	65535
	DEFAULT	0	0	0
PERSONALITY	AUTO	(Y)	(Y)	(Y)
	PCL	Y	Y	Y
	POSTSCRIPT	Y	Y	Y
	PDF	ns	ns	ns
PLANESINUSE	1	(Y)	ns	ns
	3	Y	ns	ns
POWERSAVE	ON	(Y)	(Y)	(Y)
	OFF	Y	Y	Y

The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.

[1] If the product is configured for metric paper sizes, A4 is the default paper size and DL is the default envelope size.

[2] The PASSWORD variable is only supported with the DEFAULT, DINQUIRE, and INQUIRE.

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
POWERSAVETIME	1	Y	ns	ns
	15	Y	ns	ns
	30	(Y)	(Y)	(Y)
	60	Y	Y	Y
	90	Y	ns	ns
	120	Y	Y	Y
	180	ns	Y	Y
	240	Y	ns	ns
	480	ns	Y	Y
PRINTONBACKSIDE	ON	(Y)	ns	ns
	OFF	Y	ns	ns
PROCESSINGBOUNDARY	MOPY	ns	ns	ns
	JOB	ns	ns	ns
PROCESSINGOPTION	DEFAULT	""	ns	ns
	MAXIMUM LENGTH	16	ns	ns
PROCESSINGTYPE	DEFAULT	""	ns	ns
	MAXIMUM LENGTH	80	ns	ns
QTY	MINIMUM	1	1	1
	MAXIMUM	32000	999	999
	DEFAULT	0	1	1
REPRINT	ON	Y	ns	ns
	OFF	Y	ns	ns
	AUTO	(Y)	ns	ns
RESOLUTION	300	ns	ns	ns
	600	(Y)	(Y)	(Y)
	1200	ns	ns	ns
RET	OFF	ns	ns	ns
	LIGHT	ns	ns	ns
	MEDIUM	ns	ns	ns
	DARK	ns	ns	ns
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

Table 14. PJL environmental variables for HP color LaserJet products

Environment variable	Variable values	5500 series	8550 series	8550mfp series
STAPLEOPTION	DEFAULT	(Y)	(Y)	(Y)
	ONE	Y	Y	Y
	TWO	Y	Y	Y
	THREE	Y	Y	Y
	FOUR	Y	Y	Y
	FIVE	Y	Y	Y
	SIX	Y	Y	Y
	SEVEN	Y	Y	Y
	ONEANGLED	Y	Y	Y
	ONEOPPOSED	Y	Y	Y
	OPTION3	Y	Y	Y
	OPTION4	Y	Y	Y
	OPTION5	Y	Y	Y
	OPTION6	Y	Y	Y
	CUSTOM	Y	Y	Y
	NONE	Y	Y	Y
STRINGCODESET	HPROMAN8	(Y)	ns	ns
	JISX02011976	Y	ns	ns
	ISO88592	Y	ns	ns
	ISO88599	Y	ns	ns
	ISO88595	Y	ns	ns
	UTF8	Y	ns	ns
TIMEOUT	MINIMUM	5	5	5
	MAXIMUM	300	300	300
	DEFAULT	15	30	30
USERNAME	MAXIMUM LENGTH	80	80	80
WIDEA4	NO	(Y)	(Y)	(Y)
	YES	Y	Y	Y
The information contained in this table is subject to change without notice. To ensure that the specific support information is correct, test these variable settings on your product.				

4 PJL status codes

Introduction

In many of the status readback responses, the status codes listed in this chapter are sent to the host as “CODE = xxxxx,” where each “x” stands for a single digit (0 through 9). For example, if unsolicited status is enabled and the toner runs low, the following message is returned:

```
@PJL USTATUS DEVICE
CODE=10006
DISPLAY="16 TONER LOW"
ONLINE=TRUE
```

Table 15, Informational messages, on page 118 shows that code 10006 means “toner low.” Because the string portion of the “DISPLAY=string” is localized, developers should use the “CODE=” value in software programs.

Status code groupings

PJL status codes are grouped as follows. The first two digits indicate a message category.

- Informational messages (10xxx)
- Background paper-loading messages (11xyy)
- Background paper-tray status messages (12xyy)
- Output-bin status messages (15xxy)
- PJL parser errors (20xxx)
- PJL parser warnings (25xxx)
- PJL semantic errors (27xxx)
- Auto-continuable conditions (30xxx)
- PJL-file system errors (32xxx)
- Possible operator intervention conditions (35xxx)
- Operator intervention conditions (40xxx)
- Foreground paper-loading messages (41xyy)
- Jam messages (42xyy)
- Optional (external) paper-handling-device messages (43xyy)
- HP LaserJet 4000/5000 jam messages (44xyy)
- Hardware errors (50xxx)
- Personality errors (55xxx)

The following pages list the status codes in numerical order, by groups. For a complete description of each control-panel-display string, see the user and service manuals for each printer.

Note All of the messages in the following table are localized. They appear in the language that has been selected for the control panel.

Informational messages (10xxx)

Table 15. Informational messages

Status code	Display string or code meaning
10001	00 READY (online) [Personality-specific ready message] (online) [PJL RDYMSG] (online) 68 READY/SERVICE (online) or PERFORM USER MAINTENANCE or 68 NVRAM FULL, SETTINGS NOT SAVED
10002	00 READY (offline) or [Personality-specific ready message] (offline) or [PJL RDYMSG] (offline) or 68 READY/SERVICE (offline). Form-feeding printable data in response to a key press
10003	02 WARMING UP (or initializing: Designjet)
10004	05 SELF TEST or INTERNAL TEST
10005	07 RESET, CLEARING MEMORY
10006	16 TONER LOW
10007	CANCELING JOB
10010 *	STATUS BUFFER OVERFLOW
10011	18 AUX IO INIT or 18 AUX IO NT RDY or 18 MIO INIT or 18 MIO NOT RDY or HP MIO1 INITIALIZING or HP MIO2 INITIALIZING or HP MIO1 NOT READY or HP MIO2 NOT READY or HP MIO INITIALIZING

* When creating software programs for the HP LaserJet 4 and 5 printer families, see "Printer Status Readback" in the "HP LaserJet 4 and 5 Family Comments" section in Appendix A of the *PCL 5 Comparison Guide*.

Table 15. Informational messages (continued)

Status code	Display string or code meaning
10013	04 SELF TEST
10014	06 PRINTING TEST or PRINTING CONFIGURATION PAGE or INTERNAL TEST, then PRINTING CONFIGURATION PAGE
10015	06 TYPEFACE LIST or PRINTING FONT LIST
10016	15 ENGINE TEST
10017	06 DEMO PAGE or PRINTING DEMO PAGE
10018	09 MENU RESET or RESETTING MENUS TO DEFAULTS
10019	09 RST ACTIVE IO or RESETTING ACTIVE IO
10020	09 RESET ALL I/O
10021	08 COLD RESET or RESTORING FACTORY SETTINGS
10022	06 CONFIG PAGE or PRINTING CONFIGURATION PAGE
10023	PROCESSING JOB or PROCESSING JOB FROM ENV FEEDER or PROCESSING JOB FROM TRAY X (X = tray code)
10024	PRESS SELECT TO FORMFEED or DATA RECEIVED
10025	ACCESS DENIED
10026	NO JOB TO CANCEL
10027	CLEARING PAPER PATH
10028	PRINTING ERROR LOG
10029	FORMFEEDING
10030	Job message: a print job has been received that contains the optional DISPLAY=”message” token pair that is associated with the PJL JOB command.
10031	ENGINE CLEANING
10032	Unable to process internal page request
10033	INVALID PIN
10034	INTERRUPTING JOB
10035	RESUMING JOB
10036	02 WARMING UP (or initializing-Designjet)
10200	ORDER BLACK TONER <n> PAGES LEFT
10201	ORDER CYAN TONER <n> PAGES LEFT
10202	ORDER MAGENTA TONER <n> PAGES LEFT
10203	ORDER YELLOW TONER <n> PAGES LEFT
10204	ORDER IMAGE DRUM
10205	ORDER BLACK DRUM
10206	ORDER CYAN DRUM
10207	ORDER MAGENTA DRUM
10208	ORDER YELLOW DRUM
10209	ORDER BLACK TONER
10210	ORDER CYAN TONER

Table 15. Informational messages (continued)

Status code	Display string or code meaning
10211	ORDER MAGENTA TONER
10212	ORDER YELLOW TONER
10213	ORDER TRANSPORT KIT
10214	ORDER CLEANING KIT
10215	ORDER TRANSFER KIT
10216	ORDER FUSER KIT
10217	PERFORM PRINTER MAINTENANCE
10218	ORDER SUPPLIES <n> PAGES LEFT
10300	REPLACE BLACK TONER
10301	REPLACE CYAN TONER
10302	REPLACE MAGENTA TONER
10303	REPLACE YELLOW TONER
10304	REPLACE IMAGE DRUM
10305	REPLACE BLACK DRUM
10306	REPLACE CYAN DRUM
10307	REPLACE MAGENTA DRUM
10308	REPLACE YELLOW DRUM
10309	REPLACE BLACK CARTRIDGE
10310	REPLACE CYAN CARTRIDGE
10311	REPLACE MAGENTA CARTRIDGE
10312	REPLACE YELLOW CARTRIDGE
10313	REPLACE TRANSPORT KIT
10314	REPLACE CLEANING KIT
10315	REPLACE TRANSFER KIT
10316	REPLACE FUSER KIT
10317	PERFORM PRINTER MAINTENANCE
10318	REPLACE SUPPLIES
10400	NON-HP SUPPLIES IN USE
10401	Genuine HP Supplies
10402	Tells the CP that the toner charge that has been developed on the transfer belt needs to be cleared. This message is coupled with the black toner cartridge (or print cartridge) replacement message. When the message is posted, the user is asked to select “YES” or “NO” at each door operation for the cleaned post charger pop-up.
10403	Unsupported genuine HP supplies

Background paper-loading messages (11xyy)

Background paper-loading messages appear when a print-media input source is out of media, but another input source is available and is loaded with the correct paper size. The printer stays online in these situations because it can switch to the other paper source.

Note Foreground paper-loading messages are sent when no alternative paper sources are loaded with the same paper size. The printer goes offline and waits for someone to load media. See Foreground paper-loading messages (41xyy) on page 141.

Background paper-loading messages are in the format 11*xyy*. The following tables list the *x* and *y* values for these messages. For example, 11202 is a background paper-loading message that indicates that the user should load the PC tray with letter-size paper.

Table 16. Tray codes for background paper-loading messages

X = tray code	Tray
0	MP tray or Multi-purpose Tray1 or Duplex Tray
1	Manual feed
2	PC Tray or Upper Cassette or Universal Tray2
3	LC Tray or Lower Cassette or Universal Tray3
4	EE Tray or Envelope Feeder
5	Any HCI Tray

Table 17. Media codes for background paper-loading messages

YY = media code	Media size
00	Unknown Paper
01	Unknown Envelope
02	Letter Paper
03	Legal Paper
04	A4 Paper
05	Executive Paper
06	Ledger Paper
07	A3 Paper
08	COM10 Envelope
09	Monarch Envelope
10	C5 Envelope
11	DL Envelope
12	Japan B4 Paper
13	Japan B5 Paper
14	B5 Envelope
15	Custom Media Paper

Table 17. Media codes for background paper-loading messages (continued)

YY = media code	Media size
16	J-Postcard
17	J-RoundTrip Postcard
18	A5 Paper
19	Letter-R Paper
20	A4-R Paper
21	A5-R Paper
22	Japan B5-R Paper
23	Exec-R Paper
24	A6 Paper
25	Foolscap Paper
26	Japan B6 Paper

Background paper-tray status messages (12xyy)

Background paper-tray status messages appear when a tray is open or a tray is lifting. Background paper-tray status messages are in the format 12*xyy*. The following tables list the *x* and *y* values for these messages. For example, 12301 indicates that the lower cassette or tray is open.

Table 18. Tray codes for background paper-tray status messages

X = tray code	Tray
0	MP Tray or Multi-Purpose Tray1
1	Manual Feed
2	PC Tray or Upper Cassette or Universal Tray2
3	LC Tray or Lower Cassette or Universal Tray3
4	EE Tray or Envelope Feeder
5	Any HCI Tray

Table 19. Status codes for background paper-tray status messages

YY = Status code	Tray status
01	Tray Open
02	Tray Lifting

Output-bin status messages (15xxy)

Output bin status messages appear when an output bin is full. The messages are in the format 15*xxy*. The following tables list the *x* and *y* values for these messages. For example, 15031 indicates that output bin number 3 is full.

Table 20. Output-bin status messages

XX = Output bin	Tray
00 - 99	Output Bin Number

Table 21. Status codes for output-bin status messages

Y = Status code	Tray status
1	Output Bin Full
2	Output Bin Open
3	Output Bin Broken

PJL parser errors (20xxx)

These status codes denote PJL parser errors. The entire PJL command line is ignored. (Some of the status codes refer to portions of PJL commands such as “command modifiers” and “alphanumeric values.” For a description of the PJL command format, see “Format of PJL Commands” in chapter 2 of the *Printer Job Language Technical Reference Manual*.)

Table 22. PJL parser errors

Status code	Display string or code meaning
20001	Generic syntax error (entire PJL command ignored)
20002	Unsupported command
20004	Unsupported personality, system, or I/O port
20005	PJL command buffer overflow
20006	Illegal character or line has been terminated by the universal exit language (UEL) command
20007	<WS> or [<CR>]<LF> missing after closing quotes
20008	Invalid character appears in an alphanumeric value
20009	Invalid character appears in a numeric value
20010	Invalid character at the start of a string, alphanumeric value, or numeric value
20011	String is missing closing double-quote character
20012	Numeric value starts with a decimal point
20013	Numeric value does not contain any digits
20014	No alphanumeric value follows the command modifier
20015	Option name and equal sign are encountered, but the value field is missing
20016	More than one command modifier exists
20017	Command modifier is encountered after an option (the command modifier must precede the option)
20018	Command is not an alphanumeric value
20019	Numeric value is encountered when an alphanumeric value expected
20020	String is encountered when an alphanumeric value is expected
20021	Unsupported command modifier
20022	Command modifier missing
20023	Option missing
20024	Extra data is received after the option name (used for commands like SET that limit the number of options that are supported)
20025	Two decimal points in a numeric value
20026	Out of memory
20027	White-space before data stashed

Table 22. PJL parser errors (continued)

Status code	Display string or code meaning
20028	White-space and a UEL command precede the data

PJL parser warnings (25xxx)

This group of status codes denote PJL parser warnings, which indicate that part of the PJL command is ignored.

Table 23. PJL parser warnings

Status code	Display string or code meaning
25001	Generic warning error (part of the PJL command ignored)
25002	PJL prefix is missing
25003	Alphanumeric value is too long
25004	String is too long
25005	Numeric value is too long
25006	Unsupported option name
25007	Option name requires a value that is missing
25008	Option name requires a value of a different type
25009	Option name is received with a value, but this option does not support values
25010	Same option name is received more than once
25011	Option name has been ignored in response to value underflow or overflow
25012	Value for the option experienced data loss as a result of data conversion (value was truncated or rounded)
25013	Value for option experienced data loss as a result of the value being out of range; the value that was used was the closest supported limit
25014	Value is of the correct type, but is out of range (value was ignored)
25015	Integer was expected (obsolete)
25016	Option name is received with an alphanumeric value, but this value is not supported
25017	String empty, option ignored
25018	A UEL command was expected but not found.

PJL semantic errors (27xxx)

This group of status codes denote PJL semantic errors. As much as possible of the command is is used, depending on the current configuration of the printer.

Table 24. PJL semantic errors

Status code	Display string or code meaning
27001	Generic semantic error.
27002	EOJ command is encountered without a previously matching JOB command. An EOJ command does not have a matching JOB command if the number of valid EOJ commands that is received is greater than the number of valid JOB commands received.
27003	Password protected—attempted to change NVRAM value when a password is set and the job is not a secure PJL job.
27004	Cannot modify the value of a read-only variable.
27005	Can only use DEFAULT with this variable; cannot use SET.
27006	Attempted to pass a NULL string to a command or command option that requires the string to contain at least one character.
27007	Attempted to DEFAULT a variable which can only be SET.

Auto-continuable conditions (30xxx)

This list describes the set of PJL error codes and the corresponding control-panel-display strings for auto-continuable conditions. If no action is taken, the device automatically continues if auto-continue is set to true (except for when it encounters 30035 and 30036 errors).

Table 25. Auto-continuable conditions

Status code	Display string or code meaning
30010*	STATUS BUFFER OVERFLOW
30016	20 MEM OVERFLOW or 20 MEMORY OVERFLOW DATA LOST or 20 INSUFFICIENT MEMORY, PRESS GO KEY
30017	21 PRINT OVERRUN or 21 PRINT OVERRUN DATA LOST or 21 PAGE TOO COMPLEX
30018	40 ERROR or 40.1 HP MIO 1 ERROR or 40.2 HP MIO 2 ERROR or 40 SER IO ERROR
30027	22 I/O CONFIG ERROR or 22 SER IO ERROR 22 HP MIO 1 IO ERROR CHECK SETUP or 22 HP MIO 2 IO ERROR CHECK SETUP or 22 PARALLEL IO ERROR CHECK SETUP
30034	41.x ERROR or 41.3 PAPER ERROR
30035	68 ERROR CHECK CONFIGURATION or 68 NVRAM ERROR, SETTINGS NOT SAVED
30036	68 SERVICE or 68 NVRAM FULL CHECK CONFIGURATION or 68 NVRAM ERROR, SETTINGS NOT SAVED
30072	49 REMOVE PAGE
30076	PERSONALITY MEMORY OVERFLOW/ OUT OF MEMORY
30094	41.1 GENERAL MISPRINT ERROR
30095	41.2 BEAM DETECT MALFUNCTION
30096	41.3 IMPROPER PAPER SIZE or 41.3 UNEXPECTED PAPER SIZE
30097	41.4 NO VIDEO SYNC
30098	41.5 NOISY VIDEO SYNC REQ SIGNAL
30099	INVALID INPUT SOURCE
30100	INVALID OUTPUT DESTINATION
30101	BINDING AGENT OUT OF SUPPLIES

* If you are creating software programs for the HP LaserJet 4 and 5 printer families, see “Printer Status Readback” in the “HP LaserJet 4 and 5 Printer Family Comments” section in Appendix A of the *Printer Job Language Technical Reference Manual*.

Table 25. Auto-continuable conditions (continued)

Status code	Display string or code meaning
30102	BINDING AGENT MEDIA MISALIGNMENT
30103	BINDING AGENT MEDIA CAPACITY EXCEEDED
30104	EXTERNAL INPUT DEVICE PAPER PATH ERROR
30105	EXTERNAL OUTPUT DEVICE PAPER PATH ERROR
30106	EXTERNAL INPUT DEVICE OPERATIONAL ERROR
30107	EXTERNAL OUTPUT DEVICE OPERATIONAL ERROR
30108	40 HP MIO ERROR, PRESS GO KEY
30109	40 BAD SERIAL DATA FORMAT, PRESS GO KEY
30110	22 HP MIO ERROR, PRESS GO KEY
30111	22 PARALLEL IO ERROR, PRESS GO KEY
30112	22 SERIAL IO ERROR, PRESS GO KEY
30113	STOPPING CHECK LAST PAGE
30114	PRESS SELECT TO CANCEL JOB
30119	MEDIA FEED ERROR

PJL file system errors (32xxx)

This list describes the set of error codes for the PJL file system.

Table 26. PJL file system errors

Status code	Display string or code meaning
32000	General error
32001	Volume not available
32002	Disk full
32003	File not found
32004	No free file descriptors
32005	Invalid number of bytes
32006	File already exists
32007	Illegal name
32008	Cannot delete root
32009	File operation attempted on a directory
32010	Directory operation attempted on a file
32011	Not the same volume
32012	Read only
32013	Directory full
32014	Directory not empty
32015	Bad disk
32016	No label
32017	Invalid parameter
32018	No contiguous space
32019	Cannot change root
32020	File Descriptor obsolete
32021	Deleted
32022	No block device
32023	Bad seek
32024	Internal error
32025	Write only
32026	Write protected
32027	No filename
32051	End of directory
32052	No file system
32053	No memory
32054	Volume name out of range
32055	Bad FS

Table 26. PJL file system errors (continued)

Status code	Display string or code meaning
32056	Hardware failure
32064	Access denied

Potential operator intervention conditions (35xxx)

This list describes the set of PJL error codes and the corresponding control-panel display strings for conditions where operator intervention might be required. The message "online" appears and the product continues to operate, possibly with reduced functionality. Data might be lost.

Table 27. Potential operator intervention conditions

Status code	Display string or code meaning
35028	EIO DISK NOT FUNCTIONAL
35029	W1 IMAGE ADAPT or IMAGE ASSIST or MEMORY LOW, PAGE SIMPLIFIED
35030	WA JOB ALTERED
35031	W2 INVALID PERS or REQUESTED LANGUAGE NOT AVAILABLE
35032	WL WARNINGS LOST
35037	W3 JOB ABORTED or CANCELING JOB or INSUFFICIENT MEMORY, JOB CLEARED
35039	W9 JOB 600/LTR
35040	W0 JOB 600/A4
35041	W8 JOB 600/OFF
35042*	W7 JOB 300/LGL
35043*	W5 JOB 300/LTR
35044*	W6 JOB 300/A4
35045*	W4 JOB 300/OFF
35073	WM CHK MEM CNFIG or MEMORY SETTINGS CHANGED
35074	WM MEM CNFIG N/A
35075	USER MAINTENANCE REQUESTED
35076	WM *personality* MEM FULL or XXXX MEMORY FULL, STORED DATA LOST
35078	Entered powersave mode (00 POWERSAVE) or POWERSAVE ON
35081	WM JOB 300
35082	WD DISK NOT INIT or *Volume 0* NOT INIT (*Volume 0* is indicated as DISK, FLASH, or RAMDISK, as appropriate)
35083	*Volume 0* FAILURE (*Volume 0* is indicated as DISK, FLASH, or RAMDISK, as appropriate)
35084	WM JOB 600/LGL
35085	WM JOB 600/A3
35086	WM JOB 600/11x17
35087*	WM JOB 300/A3

* For some printers, the WM JOB 300 message (35081) might be used instead.

Table 27. Potential operator intervention conditions (continued)

Status code	Display string or code meaning
35088*	WM JOB 300/11x17
35115	*Volume 1* NOT INIT (*Volume 1* is not initialized. *Volume 1* is indicated as DISK, FLASH, or RAMDISK, as appropriate)
35116	*Volume 1* FAILURE (*Volume 1* is indicated as DISK, FLASH, or RAMDISK, as appropriate)
35117	*Volume 2* NOT INIT (*Volume 2* is not initialized. *Volume 2* is indicated as DISK, FLASH, or RAMDISK, as appropriate.)
35118	*Volume 2* FAILURE (*Volume 2* is indicated as DISK, FLASH, or RAMDISK, as appropriate)
35138	Unable to mopy job
35139	Unable to mopy job
35140	Unable to mopy job
35141	Unable to store job
* For some printers, the WM JOB 300 message (35081) might be used instead.	

Operator intervention conditions (40xxx)

This list describes the set of PJL error codes and the corresponding control-panel display strings for conditions where operator intervention is required. Printing cannot continue until the condition is addressed.

Table 28. Operator intervention conditions

Status code	Display string or code meaning
40000*	SLEEP MODE (STANDBY)
40005	Cartridge error during align cartridges (or reading setup sheet—Designjet)
40010	14 NO EP CART or INSTALL TONER CARTRIDGE or no electrical contact with one or more ink cartridges (Designjet)
40011	Using ink cartridges (Designjet)
40013	SUPPLY MEMORY ERROR
40019	REMOVE PAPER FROM [bin name]
40020	NO MICR TONER or INSTALL MICR TONER CARTRIDGE
40021	12 PRINTER OPEN or NO EP CART or CLOSE PRINTER COVER (or lower lever or lower window—Designjet)
40022	13 PAPER JAM or REMOVE PAPER JAM
40024	FE CARTRIDGE
40025	Device needs attention
40026	PC INSTALL or INSTALL TRAY 2
40026	For ELK BN
40038	16 LOW TONER or TONER LOW or TONER LOW, PRESS GO KEY
40039	Cartridge authorization status
40046	FI INSERT CART
40047	FR REMOVE CART
40048	[PJL OPMSG]
40049	[PJL STMSG]
40050	50 SERVICE or 50 FUSER ERROR, CYCLE POWER
40051	51 ERROR or 51 PRINTER ERROR, CYCLE POWER
40052	52 ERROR or 52 PRINTER ERROR, CYCLE POWER
40053	53-xy-zz ERROR
40054	54 ERROR
40055	55 ERROR
40056	56 ERROR
* This is not an error. The printer is waiting for data.	

Table 28. Operator intervention conditions (continued)

Status code	Display string or code meaning
40057	57 SERVICE or 57 MOTOR FAILURE, CALL SERVICE
40058	58 SERVICE or FAN MOTOR FAILURE, CALL SERVICE
40059	59 ERROR
40060	60 ERROR
40061	61.x SERVICE
40062	62.x SERVICE
40063	63 SERVICE
40064	64 SERVICE or PRINTER ERROR, CYCLE POWER
40065	65 SERVICE
40066	External paper-handling device failure
40067	67 SERVICE
40068	69 SERVICE
40069	70 ERROR
40070	71 ERROR
40071	72 SERVICE
40079	PRINTER MANUALLY TAKEN OFFLINE or OFFLINE or FORMFEEDING or SERVICE MODE or 00 OFFLINE
40080	EE INCOMPATIBLE or LC INCOMPATIBLE
40083	FS DISK FAILURE or 311.1.1 DISK FAILURE or *Volume 0* FAILURE (*Volume 0* is indicated as DISK, FLASH, or RAMDISK, as appropriate)
40089	BAD OPTIONAL TRAY CONNECTION
40089	For ELK BN
40090	INCOMPATIBLE ENVELOPE FEEDER INSTALLED
40091	Duplexer cord error
40092	81 SERVICE (XXX)
40093	REMOVE DUPLEX JAM
40096	41.3 UNEXPECTED PAPER SIZE CHECK PAPER IN TRAY
40099	56.1 ERROR PRESS SELECT KEY
40100	56.2 ERROR PRESS SELECT KEY
40101	FINISHER OUT OF BINDING AGENT
40102	FINISHER ALIGN ERROR [BIN NAME]
40103	FINISH LIMIT REACHED [BIN NAME]
40104	INPUT DEVICE FEED PATH OPEN

Table 28. Operator intervention conditions (continued)

Status code	Display string or code meaning
40105	OUTPUT DEVICE DELIVERY PATH OPEN
40106	INPUT OPERATION ERROR X.YY
40107	OUTPUT OPERATION ERROR X.YY
40108	66.xx.yy EXTERNAL DEVICE FAILURE
40116	*Volume 1* FAILURE (Failure on *Volume 1*. *Volume 1* is indicated as DISK, FLASH, or RAMDISK, as appropriate)
40118	*Volume 2* FAILURE (Failure on *Volume 2*. *Volume 2* is indicated as DISK, FLASH, or RAMDISK, as appropriate.)
40119	PAPER MISFEED
40120	Open face-up output bin
40121	Cannot duplex closer rear bin
40122	Duplexer must be installed
40123	Duplexer error, remove duplexer
40124	Bad duplexer connection
40128	DRUM ERROR REPLACE DRUM KIT
40129	DRUM LIFE OUT REPLACE DRUM KIT
40130	DRUM LIFE LOW REPLACE DRUM KIT
40131	TRANSFER KIT OUT REPLACE KIT
40132	TRANSFER KIT LOW REPLACE KIT
40137	BAD ENV FEEDER CONNECTION
40141	WASTE TONER FULL REPLACE DRUM KIT
40142	INSTALL DRUM KIT
40143	REINSTALL TRANSFER BELT
40144	PRESS GO TO PRINT PRESS SELECT TO CHANGE TONER
40145	73 service error
40146	41.5 UNEXPECTED PAPER TYPE CHECK PAPER IN TRAY
40150	Cartridge low
40151	Toner cartridge out
40152	Drum cartridge out
40158	10.xx.yy SUPPLY MEMORY ERROR
40200	ORDER BLACK TONER
40201	ORDER CYAN TONER
40202	ORDER MAGENTA TONER
40203	ORDER YELLOW TONER
40204	ORDER IMAGE DRUM
40205	ORDER BLACK DRUM
40206	ORDER CYAN DRUM
40207	ORDER MAGENTA DRUM

Table 28. Operator intervention conditions (continued)

Status code	Display string or code meaning
40208	ORDER YELLOW DRUM
40209	ORDER BLACK TONER
40210	ORDER CYAN TONER
40211	ORDER MAGENTA TONER
40212	ORDER YELLOW TONER
40213	ORDER TRANSPORT KIT
40214	ORDER CLEANING KIT
40215	ORDER TRANFER KIT
40216	ORDER FUSER KIT
40217	PERFORM PRINTER MAINTENANCE
40218	ORDER SUPPLIES <n> PAGES LEFT
40300	REPLACE BLACK TONER
40301	REPLACE CYAN TONER
40302	REPLACE MAGENTA TONER
40303	REPLACE YELLOW TONER
40304	REPLACE IMAGE DRUM
40305	REPLACE BLACK DRUM
40306	REPLACE CYAN DRUM
40307	REPLACE MAGENTA DRUM
40308	REPLACE YELLOW DRUM
40309	REPLACE BLACK CARTRIDGE
40310	REPLACE CYAN CARTRIDGE
40311	REPLACE MAGENTA CARTRIDGE
40312	REPLACE YELLOW CARTRIDGE
40313	REPLACE TRANSPORT KIT
40314	REPLACE CLEANING KIT
40315	REPLACE TRANFER KIT
40316	REPLACE FUSER KIT
40317	PERFORM PRINTER MAINTENANCE
40318	REPLACE SUPPLIES
40400	INSTALL BLACK TONER
40401	INSTALL CYAN TONER
40402	INSTALL MAGENTA TONER
40403	INSTALL YELLOW TONER
40404	INSTALL IMAGE DRUM
40405	INSTALL BLACK DRUM
40406	INSTALL CYAN DRUM
40407	INSTALL MAGENTA DRUM
40408	INSTALL YELLOW DRUM
40409	INSTALL BLACK CARTRIDGE
40410	INSTALL CYAN CARTRIDGE

Table 28. Operator intervention conditions (continued)

Status code	Display string or code meaning
40411	INSTALL MAGENTA CARTRIDGE
40412	INSTALL YELLOW CARTRIDGE
40413	INSTALL TRANSPORT KIT
40414	INSTALL CLEANING KIT
40415	INSTALL TRANFER KIT
40416	INSTALL FUSER KIT
40417	PERFORM PRINTER MAINTENANCE
40418	INSTALL SUPPLIES
40500	INSTALL BLACK TONER
40501	INSTALL CYAN TONER
40502	INSTALL MAGENTA TONER
40503	INSTALL YELLOW TONER
40504	INSTALL IMAGE DRUM
40505	INSTALL BLACK DRUM
40506	INSTALL CYAN DRUM
40507	INSTALL MAGENTA DRUM
40508	INSTALL YELLOW DRUM
40509	INSTALL BLACK CARTRIDGE
40510	INSTALL CYAN CARTRIDGE
40511	INSTALL MAGENTA CARTRIDGE
40512	INSTALL YELLOW CARTRIDGE
40513	INSTALL TRANSPORT KIT
40514	INSTALL CLEANING KIT
40515	INSTALL TRANFER KIT
40516	INSTALL FUSER KIT
40517	PERFORM PRINTER MAINTENANCE
40518	INSTALL SUPPLIES
40600	INSTALL BLACK TONER
40601	INSTALL CYAN TONER
40602	INSTALL MAGENTA TONER
40603	INSTALL YELLOW TONER
40604	INSTALL IMAGE DRUM
40605	INSTALL BLACK DRUM
40606	INSTALL CYAN DRUM
40607	INSTALL MAGENTA DRUM
40608	INSTALL YELLOW DRUM
40609	INSTALL BLACK CARTRIDGE
40610	INSTALL CYAN CARTRIDGE
40611	INSTALL MAGENTA CARTRIDGE
40612	INSTALL YELLOW CARTRIDGE
40613	INSTALL TRANSPORT KIT

Table 28. Operator intervention conditions (continued)

Status code	Display string or code meaning
40614	INSTALL CLEANING KIT
40615	INSTALL TRANFER KIT
40616	INSTALL FUSER KIT
40617	PERFORM PRINTER MAINTENANCE
40618	INSTALL SUPPLIES
40700	NON-HP Cartridge Installed
40701	T2 Roller missing
40702	Croller out
40703	Croller missing
40704	REMOVE SEALING TAPE
40705	E-label cartridge error
40800	ORDER BLACK TONER <n> DAYS LEFT
40801	ORDER CYAN TONER <n> DAYS LEFT
40802	ORDER MAGENTA TONER <n> DAYS LEFT
40803	ORDER YELLOW TONER <n> DAYS LEFT
40804	ORDER BLACK CARTRIDGE <n> DAYS LEFT
40805	ORDER CYAN CARTRIDGE <n> DAYS LEFT
40806	ORDER MAGENTA CARTRIDGE <n> DAYS LEFT
40807	ORDER YELLOW CARTRIDGE <n> DAYS LEFT
40808	ORDER SUPPLIES <n> DAYS LEFT
40900	REPLACE BLACK TONER
40901	REPLACE CYAN TONER
40902	REPLACE MAGENTA TONER
40903	REPLACE YELLOW TONER
40904	REPLACE BLACK CARTRIDGE
40905	REPLACE CYAN CARTRIDGE
40906	REPLACE MAGENTA CARTRIDGE
40907	REPLACE YELLOW CARTRIDGE
40908	REPLACE SUPPLIES

Foreground paper-loading messages (41xyy)

Foreground paper-loading messages are sent when one of the print-media input sources is out of media and no other input source is available that is loaded with the correct paper size. When this occurs, the printer goes offline until someone loads paper.

The messages are in the format 41xyy. The following tables list the X and Y values for these messages. For example, 41303 is a foreground paper-loading message that indicates that the user should load the LC tray with legal-size paper.

Table 29. Tray codes for foreground paper-loading messages

X = tray code	Tray
0	Multi-Purpose Tray or Envelope Tray
1	Manual Feed
2	PC Tray or Universal Tray2
3	LC Tray or Universal Tray3
4	EE Tray or Envelope Feeder
5	Any HCI Tray
9	All Trays Empty

Table 30. Media codes for foreground paper-loading messages

YY = media= media code	Media size
00	Unknown Paper
01	Unknown Envelope
02	Letter Paper
03	Legal Paper
04	A4 Paper
05	Executive Paper
06	Ledger Paper
07	A3 Paper
08	COM10 Envelope
09	Monarch Envelope
10	C5 Envelope
11	DL Envelope
12	Japan B4 Paper
13	Japan B5 Paper
14	B5 Envelope
15	Custom Media Paper
16	J-Postcard (or JB4 paper—HP LaserJet 6P, HP LaserJet 2100)

Table 30. Media codes for foreground paper-loading messages (continued)

YY = media= media code	Media size
17	J-Round-trip Postcard (or JB5 paper—HP LaserJet 6P, HP LaserJet 2100)
18	A5 Paper (or JPostcard—HP LaserJet 6P
19	Letter-R Paper (or JDoublePostCard—HP LaserJet 6P, HP LaserJet 2100)
20	A4-R Paper (or A5 Paper—HP LaserJet 6P, HP LaserJet 2100)
21	A5-R Paper
22	Japan B5-R Paper
23	Exec-R Paper
24	A6 Paper
25	Foolscap Paper
26	Japan B6 Paper

Jam messages (LaserJet 5Si/5SiMx only) (42xyy)

These messages are in the format 42*xyy*, where *x* is the number of jammed pages that need to be cleared and *yy* is the location of the jam that was detected. The following table lists the *y* values for these messages. For example, 42203 indicates that two pages are jammed in the fuser output.

Table 31. Jam messages

Y = Jam location	Tray
00	Non-specific jam
01	Paper feed 1, paper-late jam
02	Paper feed 2, paper-late jam
03	Fuser output, paper-late jam
04	Fuser output, paper-stopped jam
05	Face down output, paper-late jam
06	Face down output, paper-stopped jam
07	2-Sided turnaround, paper-late jam
08	2-Sided turnaround, paper-stopped jam
09	2-Sided path, paper-late jam
10	2-Sided path, paper-stopped jam
11	External input device paper jam
12	External output device paper jam
13	Fuser accordion jam
14	Fuser accordion jam
15	Printer could not auto-eject page

Optional (external) paper-handling device messages (43xyy)

This category contains error messages that are related to any optional external paper-handling devices.

The messages are in the format 43*xyy*, where *x* is the number of the paper-handling device and *yy* is the error code.

Table 32. Optional (external) paper-handling device messages

x = Device	Paper handling device
1	First device attached to PHC
2	Second device attached to PHC
3	Third device attached to PHC
4	Fourth device attached to PHC
5	Fifth device attached to PHC

Table 33. Optional (external) paper-handling device messages

yy = Code	Error code
01	Unable to communicate with the PHC
02	Out of sequence packet
03	Bad transaction
04	Invalid status bits
05	Invalid status code
06	Invalid device specified
07	Invalid tray specified
08	Invalid bin specified
09	Invalid number of special purpose bytes
10	Invalid number of NVEE bytes
11	General PHC malfunction
12	Bad PHC RAM
13	PHC ROM checksum error
14	Faulty PHC FIFO
15	PHC cannot communicate with device(s)
16	PHC never ready during initialization
17	FIFO empty when expecting data
18	FIFO full when tray to send data
19	Invalid page ACK (formatter not expecting a page ACK)
20	Page ACK timeout
21	Inconsistent paper size
22	Wrong page ACK

Table 33. Optional (external) paper-handling device messages (continued)

yy = Code	Error code
23	Device(s) never ready during installation
24	Negative ACK of ready tray

LaserJet 4000 / 5000 series jam messages (44xyy)

This category contains unsolicited status error messages that relate to jams (for the HP LaserJet 4000 and 5000 series printers only). The messages are in the format 44*xyy*, where *x* is the number of sheets in the printer, and *yy* is the location of the jammed sheet.

Table 34. HP LaserJet 4000 and 5000 series jam messages

x	Description
0 – 9	Number of jammed sheets

Table 35. Jam location codes for HP LaserJet 4000 and 5000 series jam messages

yy	Jam location
00	Paper jam in unknown location
01	Paper jam in the paper input area
02	Paper jam in the paper output area (may need to open rear door of printer)
03	Paper jam underneath the top cover. Remove toner cartridge to clear.
04	Paper jam in the duplexer
05	Paper jam in the duplex front cover area
06	Paper jam in the face down output area
07	Paper jam in the front door area
08	Paper jam in the left door area
09	Paper jam in the right door area
10	Paper jam in the transfer belt area
11	Paper jam in the fuser area
12	Paper jam in the top bin area
13	Paper jam in the tray 1 area
14	Paper jam in the tray x area
15	Paper jam in the paper path
16	Paper jam in the duplex path
17	Paper jam in the top cover area
18	Paper jam in the open door
19	Paper jam in the lower right door area
20	Paper jam in the upper left door area

Hardware errors (50xxx)

These status codes appear when a hardware problem exists but the printer is working well enough to send status messages.

Table 36. Hardware errors

Status code	Display string or code meaning
50000	General hardware failure
50001	ROM or RAM error, ROM Checksum failed (or interface error [Designjet])
50002	RAM error, RAM test failed (or part malfunction [Designjet])
50003	Engine fuser error
50004	Engine beam detect error
50005	Engine scanner error
50006	Engine fan error
50007	Engine communications error
50008	50.1 FUSER ERROR CYCLE POWER or LOW FUSER TEMPERATURE
50009	50.2 FUSER ERROR CYCLE POWER or FUSER TOOK TOO LONG TO WARM UP
50010	50.3 FUSER ERROR CYCLE POWER or FUSER TOO HOT
50011	50.4 FUSER ERROR CYCLE POWER or BAD FUSER
50012	51.1 ERROR PRESS SELECT KEY or BEAM DETECT MALFUNCTION
50013	51.2 ERROR PRESS SELECT KEY or LASER MALFUNCTION
50014	52.1 ERROR PRESS SELECT KEY or SCANNER STARTUP FAILURE
50015	52.2 ERROR PRESS SELECT KEY or SCANNER ROTATION FAILURE
50016	57.1 FAN FAILURE CALL SERVICE or FAN MOTOR 1 FAILURE
50017	57.2 FAN FAILURE CALL SERVICE or FAN MOTOR 2 FAILURE
50018	57.3 FAN FAILURE CALL SERVICE or FAN MOTOR 3 FAILURE
50019	57.4 FAN FAILURE CALL SERVICE or FAN MOTOR 4 FAILURE
50020	UPPER INPUT TRAY LIFTER MALFUNCTION
50021	LOWER INPUT TRAY LIFTER MALFUNCTION

Table 36. Hardware errors (continued)

Status code	Display string or code meaning
50022	58.3 PRINTER ERROR CYCLE POWER or MULTIPURPOSE TRAY LIFTER MALFUNCTION
50023	59.1 PRINTER ERROR CYCLE POWER or MAIN MOTOR STARTUP FAILURE
50024	59.2 PRINTER ERROR CYCLE POWER or MAIN MOTOR ROTATION FAILURE
50025	FINISHER MALFUNCTION [BIN NAME] or EXTERNAL BINDING DEVICE HAS A MALFUNCTION
50026	DEVICE ERROR X.YY CYCLE POWER or AN EXTERNAL DEVICE HAS REPORTED A MALFUNCTION
50027	DUPLEX ERROR CHECK DUPLEX UNIT or DUPLEX UNIT GUIDE FAILED AND REQUIRES SERVICE
50028	55.XX ERROR PRESS SELECT KEY or COMMUNICATION FAILURE BETWEEN FORMATTER AND ENGINE
50029	64 PRINTER ERROR CYCLE POWER or VIDEO DMA TRANSFER TIMED OUT
50030	FAN MOTOR 5 FAILURE
50031	FAN MOTOR 6 FAILURE
50032	FAN MOTOR 7 FAILURE
50033	FAN MOTOR 8 FAILURE
50034	Bad fuser type
50035	FAN MOTOR 9 FAILURE
50036	57.A0 FAN FAILURE or FAN MOTOR 10 FAILURE
50048	XX.XX PRINTER ERROR, CYCLE POWER
50049	XX.XX PRINTER ERROR, CYCLE POWER
50050	XX.XX PRINTER ERROR, CYCLE POWER
50051	XX.XX PRINTER ERROR, CYCLE POWER
50052	XX.XX PRINTER ERROR, CYCLE POWER
50053	XX.XX PRINTER ERROR, CYCLE POWER
50054	XX.XX PRINTER ERROR, CYCLE POWER
50055	XX.XX PRINTER ERROR, CYCLE POWER
50056	XX.XX PRINTER ERROR, CYCLE POWER
50057	XX.XX PRINTER ERROR, CYCLE POWER
50058	XX.XX PRINTER ERROR, CYCLE POWER
50059	ETB speed control sensor out of range
50060	XX.XX PRINTER ERROR, CYCLE POWER

Table 36. Hardware errors (continued)

Status code	Display string or code meaning
50061	XX.XX PRINTER ERROR, CYCLE POWER
50062	XX.XX PRINTER ERROR, CYCLE POWER
50063	XX.XX PRINTER ERROR, CYCLE POWER
50064	Yellow misregistration out of range; no message
50065	Magenta misregistration out of range; no message
50066	Cyan misregistration out of range; no message
50067	Black misregistration out of range; no message
50068	Yellow density out of range
50069	Magenta density out of range
50070	Cyan density out of range
50071	Black density out of range
50072	Sensor out of range, drum phase yellow; no message
50073	Sensor out of range, drum phase magenta; no message
50074	Sensor out of range, drum phase cyan; no message
50075	Sensor out of range, drum phase black; no message
505xx	Firmware error, power cycle
50599	Processor error, power cycle

Personality errors (55xxx)

These status codes indicate errors that are related to the printer personality settings.

Table 37. Personality errors

Status code	Display string or code meaning
55001	Generic language failure

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